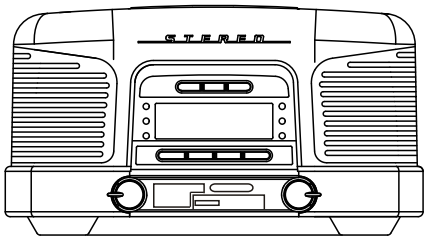


TEAC

SERVICE MANUAL

SL-D900

AM/FM STEREO DIGITAL RADIO WITH CD PLAYER

COMPACT disc DIGITAL AUDIO

NOTES

- PC board shown are viewed from parts side.
- The parts with no reference number or no parts number in the exploded views are not supplied.
- As regards the resistors and capacitors, refer to the circuit diagrams contained in this manual.
- ⚠ Parts marked with this sign are safety critical components. they must be replaced with identical components - refer to the appropriate parts list and ensure exact replacement.
- Parts of [ ] mark can be used only with the version designated.
  [E]: Europe [UK]: UK/HK

CONTENTS

1 SPECIFICATIONS 2
2 ADJUSTMENT AND CHECKS 3
3 EXPLODED VIEW AND PARTS LIST 6
4 PC BOARDS AND PARTS LISTS 16
5 WIRING DIAGRAM 26
6 INCLUDED ACCESSORIES 28

SL-D900

1 SPECIFICATIONS

TUNER SECTION

Frequency Range :	FM : 87.50 ~ 108.0 MHz AM : 522 to 1620 kHz

CD PLAYER Section

Frequency response :	20 Hz ~ 22 kHz (=1 dB)
Wow and Flutter:	Unmeasurable

SPEAKER SYSTEM Section

Type :	65 mm (L & R) 80 mm (subwoofer)
Impedance :	8 ohms (L & R) 8 ohms (subwoofer)

GENERAL

Total Output Power:	40W
Power Requirements:	230V , 50Hz
Power Consumption:	40 W
Dimension (W x H x D):	340 x 190 x 259 mm
Weight: (net)	5.4 kg

Standard Accessories:	Remote Control Unit (RC-1023) x1 Owner's Manual x 1 Warranty Card x 1

- Design and specifications are subject to change without notice.
- Illustrations may differ slightly from production models.

2 ADJUSTMENTS AND CHECKS

2-1 TUNER SECTION

- Use a screwdriver with a plastic or ceramic grip for all adjustment.

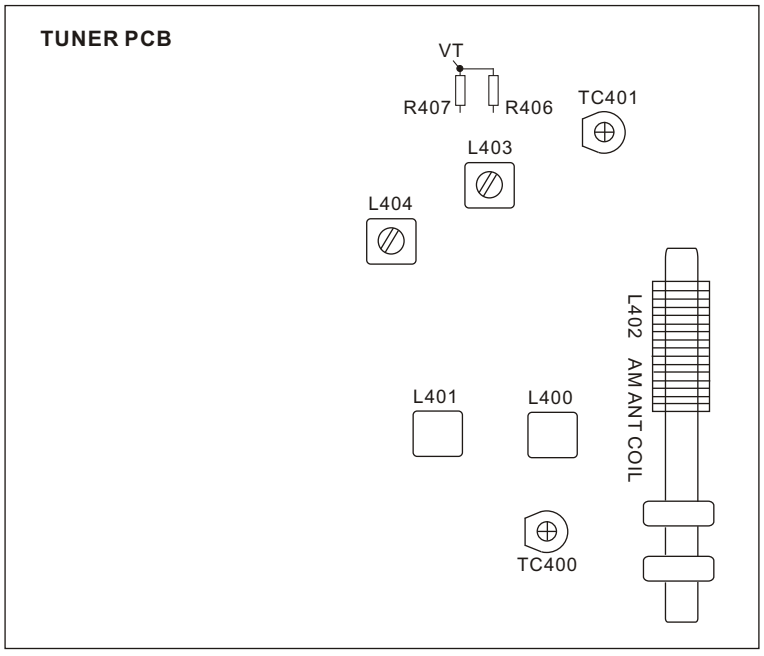
2-1-1 FM adjustment

1. Set the function switch to the TUNER position.
2. Set the BAND switch to the FM position.
3. Connect the signal generator output through a 75 ohm dummy antenna to "ANT" on MAIN PCB.
4. Connect the oscilloscope to the PHONE JACK terminal.
5. Connect the digital mulitimeter to R406/R407 on TUNER PCB.
6. Set the signal generator as listed in the alignment chart.

2-1-2 AM adjustment

1. Set the function switch to the TUNER position.
2. Set the BAND switch to the AM position.
3. Connect the test loop antenna across the output of the signal generator.
4. Connect the oscilloscope to the PHONE JACK terminal.
5. Connect the digital mulitimeter to R406/R407 on TUNER PCB.
6. Set the signal generator as listed in the alignment chart.

2-2 Adjustment and Test Points



2-2-1 AM Tuner

ITEM	SG SETTING	TUNER SETTING	ADJUSTMENT POINT	ADJUSTMENT
AM				
1. VOLTAGE adjustment		1620kHz	L403	VT 7.8-8.2V
		522kHz	Check	
2. IFT adjustment	450kHz 1kHz, 30% mod	603kHz	L404	Maximun output level
3. ANT COIL adjustment	603kHz 1kHz, 30% mod	603kHz	L402 AM ant coil	Maximun output level
4. TC401 adjustment	1404kHz 1kHz, 30% mod	1404kHz	TC401 repeat step 3 and 4	Maximun output level
	Repeat step 3			

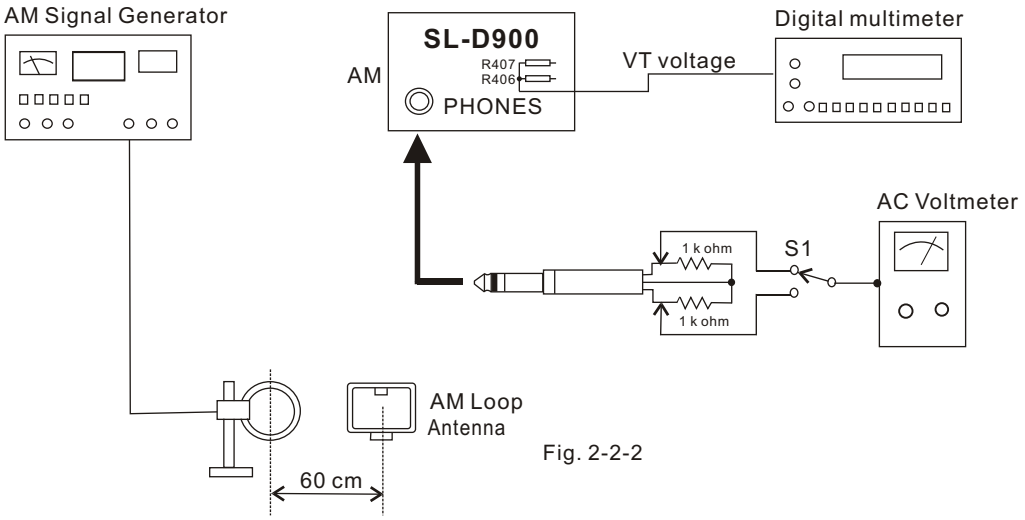


Fig. 2-2-2

3-2-3 FM Tuner

ITEM	SG SETTING	TUNER SETTING	ADJUSTMENT POINT	ADJUSTMENT
FM				
1. VOLTAGE adjustment		108 MHz	L401	VT 7.8-8.2V
		87.5MHz	Check	
2. ANT Coil adjustment	90.1 MHz 1kHz, 22.5 kHz	90.1MHz	L400	Maximun output level
3. TC400 adjustment	106.1 MHz 1kHz, 22.5 kHz	106.1 MHz	TC400 Repeat step 2 and 3	Maximun output level

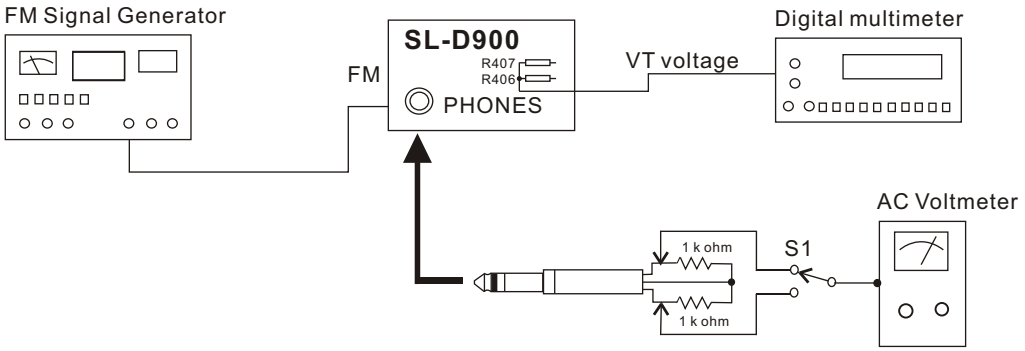
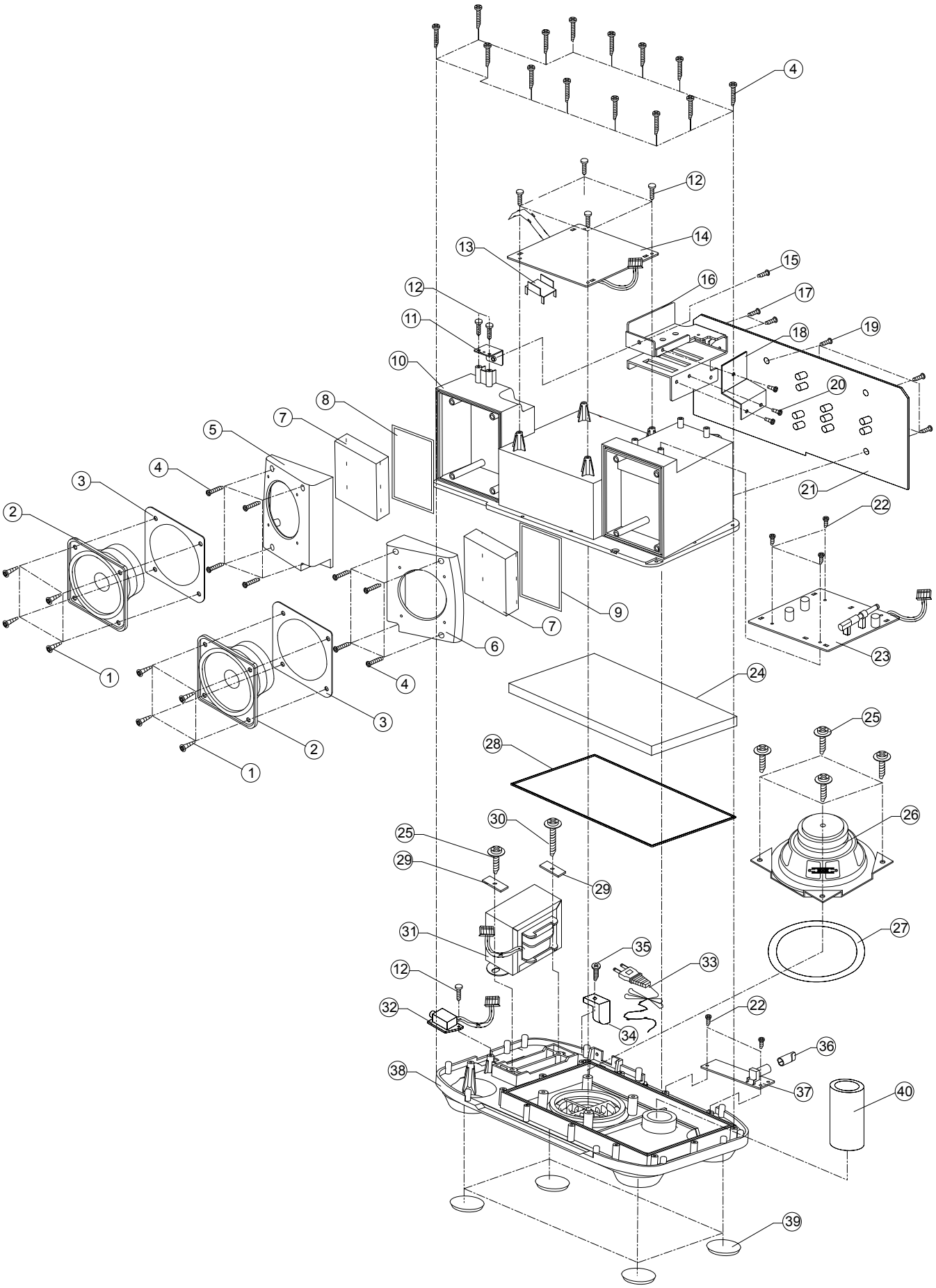


Fig. 2-2-4

3 EXPLODED VIEWS AND PARTS LIST

EXPLODED VIEW - 1



EXPLODED VIEW-1

REF. NO		PARTS NO.	DESCRIPTION	REMARK
1-1		024-43010033	SCREW PWA 3X10MM (BLK)	
1-2		061-0LT10800	SPEAKER 2 INCHES - 8 OHM	
1-3		035-SD900082	R/L SPEAKER EVA WASHER	
1-4		021-23014033	SCREW BT 3X14MM (BLK)	
1-5		010-SD900300	LEFT SPEAKER COVER	
1-6		010-SD900400	RIGHT SPEAKER COVER	
1-7		099-39SLD902	ABSORB COTTON - C	
1-8		035-SLD90052	EVA SHEET - D	
1-9		035-SLD90072	EVA SHEET - F	
1-10		010-SD900000	SPEAKER BOX	
1-11		011-SD900200	HEAT SINH BRACKET	
1-12		021-13008032	SCREW PT 3X8MM	
1-13		018-A2000100	CD HEAT SINK	
1-14		100-90MU1030	CD PCB ASSY	
1-15		022-23008033	SCREW BM 3X8MM (BLK)	
1-16		018-SLD90000	POWER IC HEAT SINK	
1-17		024-23010032	SCREW BA 3X10MM	
1-18		015-SD900100	ADIABATIC SHEET	
1-19		021-13010032	SCREW PT 3X10MM	
1-20		024-23008032	SCREW BA 3X8MM	
1-21		100-90MU1010	MAIN PCB ASSY	
1-22		021-13006032	SCREW PT 3X6MM	
1-23		100-90MU1040	TUNER PCB ASSY	
1-24		099-39SLD901	ABSORB COTTON - A	
1-25		021-44010032	SCREW PWT 4X10MM	
1-26		061-0LT10801	SPEAKER 3 INCHES - 8 OHM	
1-27		035-SLD90002	WOOFER SPEAKER EVA WASHER	
1-28		035-SLD90022	EVA SHEET - A	
1-29		011-SD900401	TRANSFORMER BRACKET	
1-30		021-44016032	SCREW PWT 4X16MM	
1-31	⚠	084-SD900100	TRANSFORMER (VDE) - 230V/50HZ	
1-32		100-90MU1070	HEADPHONE JACK PCB ASSY	
1-33	⚠	087-000000007	AC CORD (VDE) - BLACK	
1-34		010-SD900600	CORD STOP	
1-35		021-44012032	SCREW PWT 4X12MM	
1-36		004-SD900700	BASS KNOB	
1-37		100-90MU1050	BBS VR PCB ASSY	
1-38		001-SD900200	BOTTOM PANEL (RED)	
		001-90MU0202	BOTTOM PANEL (WHITE)	
		001-SD900203	BOTTOM PANEL (BLACK)	
		001-D90S0200	BOTTOM PANEL (SILVER)	
		001-90MU0200	BOTTOM PANEL (MOSS GREEN)	
		001-90MU0201	BOTTOM PANEL (NAVY BLUE)	
1-39		037-SD900000	RUBBER FOOT	
1-40		044-SLD90040	SPEAKER PAPER TUBE - BOTTOM	

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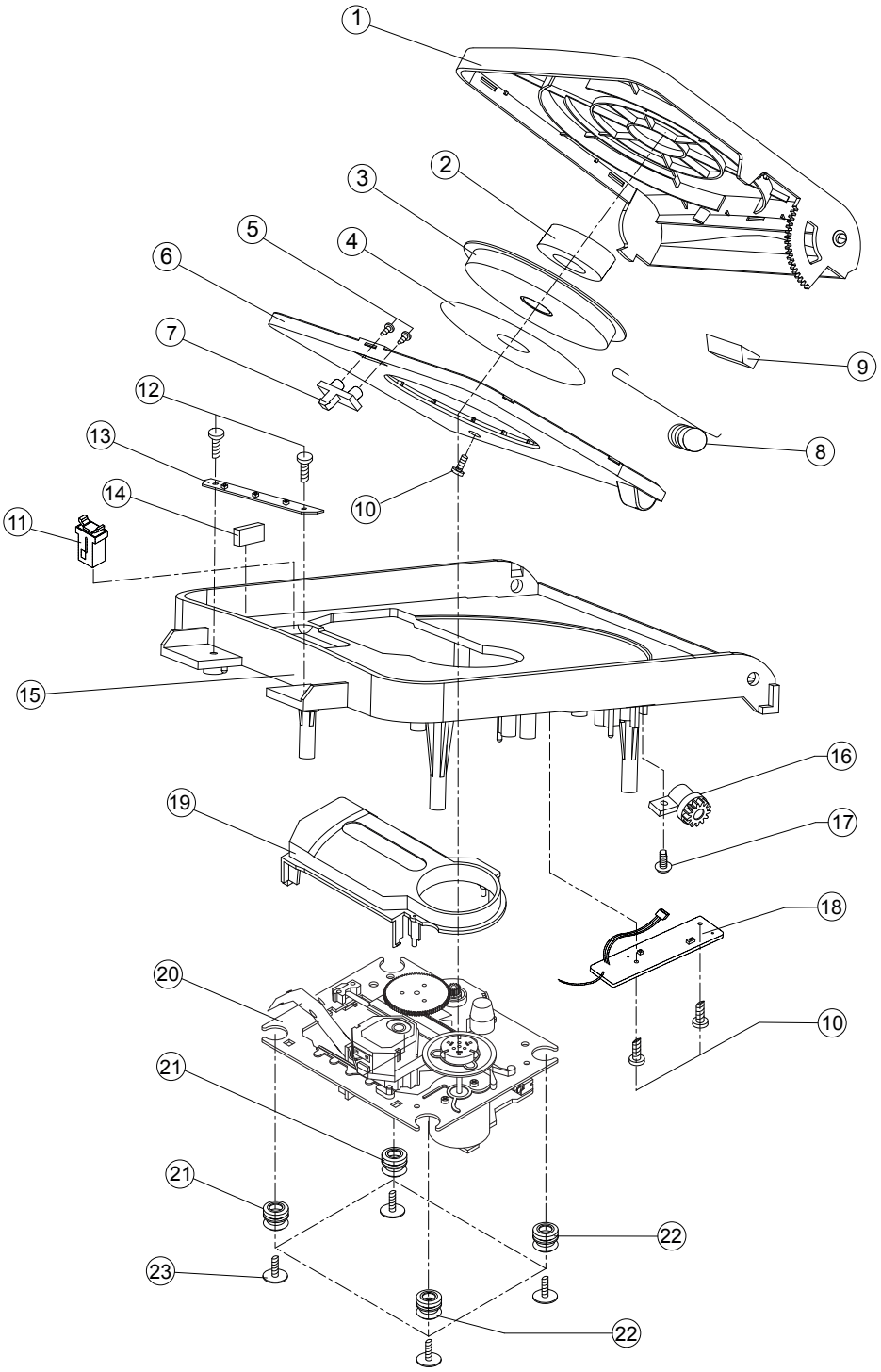
EXPLODED VIEW - 2



EXPLODED VIEW-2

REF. NO	PARTS NO.	DESCRIPTION	REMARK
2-1	006-90MU0005	CD DOOR (RED)	
	006-90MU0004	CD DOOR (WHITE)	
	006-90MU0003	CD DOOR (BLACK)	
	006-90MU0002	CD DOOR (SILVER)	
	006-90MU0000	CD DOOR (MOSS GREEN)	
	006-90MU0001	CD DOOR (NAVY BLUE)	
2-2	052-SLD90000	CD MIGNET	
2-3	010-SD900500	CD CLAMPER	
2-4	051-SLD90000	CD CLAMPER HIMERON - A	
2-5	021-42005032	SCREW PWT 2X5MM	
2-6	006-SD900100	CD DOOR COVER - RED	
	006-90MU0102	CD DOOR COVER (WHITE)	
	006-SD900103	CD DOOR COVER (BLACK)	
	006-D90S0100	CD DOOR COVER (SILVER)	
	006-90MU0100	CD DOOR COVER (MOSS GREEN)	
	006-90MU0101	CD DOOR COVER (NAVY BLUE)	
2-7	010-SD901100	CD DOOR CATCH (RED)	
	010-90MU1102	CD DOOR CATCH (WHITE)	
	010-SD901103	CD DOOR CATCH (BLACK)	
	010-D90S0100	CD DOOR CATCH (SILVER)	
	010-90MU1100	CD DOOR CATCH (MOSS GREEN)	
	010-90MU1101	CD DOOR CATCH (NAVY BLUE)	
2-8	031-SD900010	CD DOOR SPRING	
2-9	037-SD900300	CD SPRING RUBBER PAD	
2-10	024-93010031	SCREW CA 3X10MM	
	024-93010033	SCREW CA 3X10MM (BLK)	
2-11	010-SD901200	CD DOOR LOCK	
2-12	021-13006032	SCREW PT 3x6MM	
2-13	100-90MU1080	SNOOZE PCB ASSY	
2-14	035-SLD90102	CD TRAY EVA	
2-15	002-SD900000	CD BASE	
2-16	008-0GP18000	GEAR DUMPER ASSY	
2-17	021-43008053	SCREW PWB 3X8MM	
2-18	100-90MU1060	CD SW PCB ASSY	
2-19	009-00800001	CD PICK UP COVER	
2-20	039-A2000132	CD PICK UP MECHA	
2-21	037-0LT10100	CD RUBBER CUSHION - BLK	
2-22	037-0LT10200	CD RUBBER CUSHION - PINK	
2-23	021-43010032	SCREW PWT 3X8MM	

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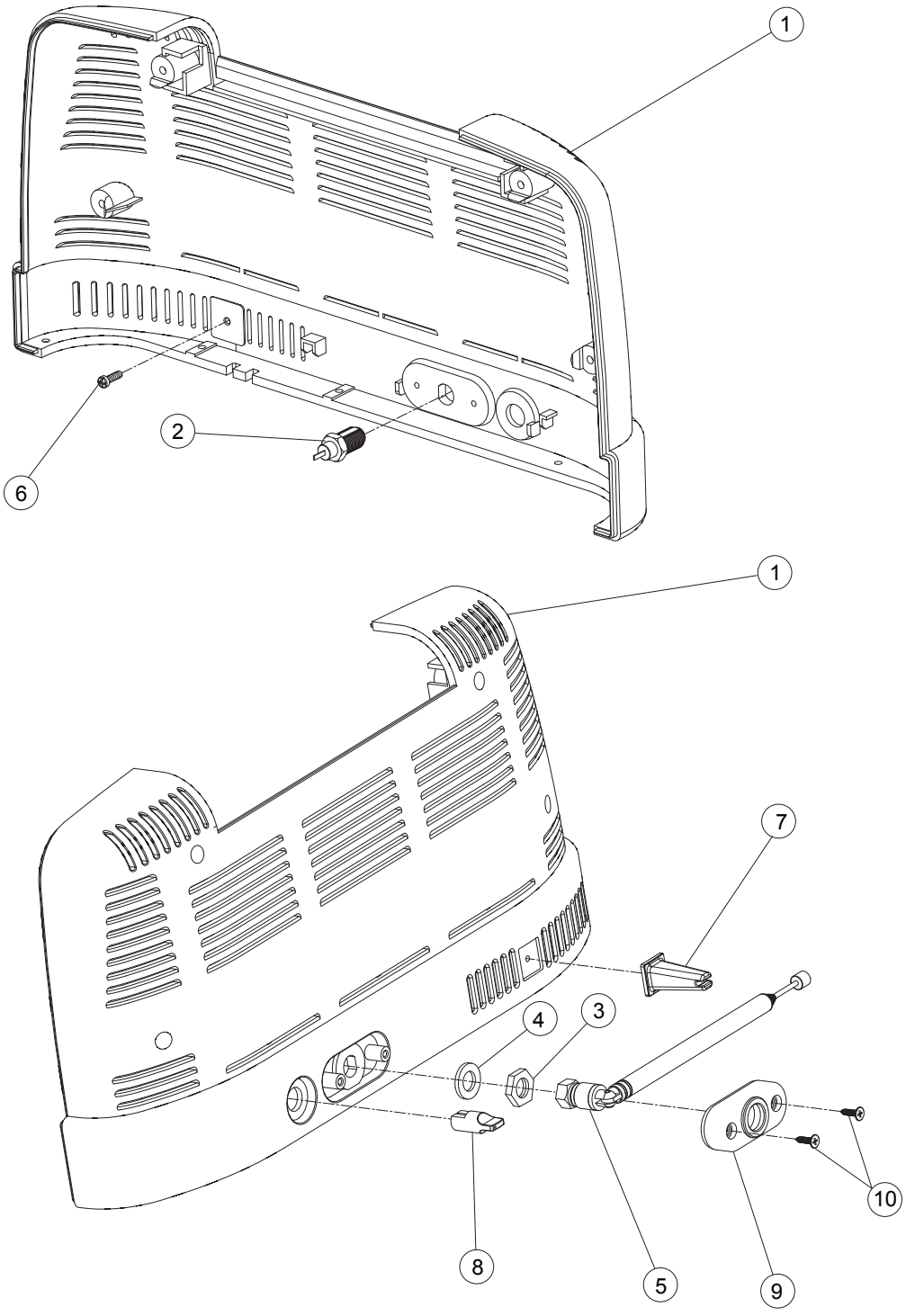
EXPLODED VIEW - 3



EXPLODED VIEW-3

REF. NO	PARTS NO.	DESCRIPTION	REMARK
3-1	001-90MU0100	BACK PANEL(RED) - W/MADE IN CHINA [E]	
	001-90MU0101	BACK PANEL(RED) - W/O MADE IN CHINA [E,UK]	
	001-90MU0102	BACK PANEL (WHITE) - W/MADE IN CHINA [E]	
	001-90MU0103	BACK PANEL (WHITE) - W/O MADE IN CHINA [E,UK]	
	001-90MU0104	BACK PANEL (BLACK) - W/MADE IN CHINA [E]	
	001-90MU0105	BACK PANEL (BLACK) - W/O MADE IN CHINA [E,UK]	
	001-90MU0106	BACK PANEL (SILVER) - W/MADE IN CHINA [E]	
	001-90MU0107	BACK PANEL (SILVER) - W/O MADE IN CHINA [E,UK]	
	001-90MU0108	BACK PANEL (MOSS GREEN) - W/MADE IN CHINA [E]	
	001-90MU0109	BACK PANEL (MOSS GREEN) - W/O MADE IN CHINA [E,UK]	
	001-90MU0110	BACK PANEL (NAVY BLUE) -W/MADE IN CHINA [E]	
	001-90MU0111	BACK PANEL(MOSS GREEN) - W/O MADE IN CHINA [E,UK]	
3-2	055-90MP3001	FM ANT JACK	
3-3		M9 NUT	
3-4		WASHING 12X9.5X0.3MM	
3-5	089-00000013	DAB/FM ROD ANTENNA	
3-6	024-23012032	SCREW BA 3X12MM	
3-7	009-90MU0000	FM ANT HOLDER (RED)	
	009-90MU0001	FM ANT HOLDER (WHITE)	
	009-90MU0002	FM ANT HOLDER (BLACK)	
	009-90MU0003	FM ANT HOLDER (SILVER)	
	009-90MU0004	FM ANT HOLDER (MOSS GREEN)	
	009-90MU0005	FM ANT HOLDER (NAVY BLUE)	
3-8	004-SD900700	BASS KNOB	
3-9	010-90MU0000	FM ANT COVER (RED)	
	010-90MU0001	FM ANT COVER (WHITE)	
	010-90MU0002	FM ANT COVER (BLACK)	
	010-90MU0003	FM ANT COVER (SILVER)	
	010-90MU0004	FM ANT COVER (MOSS GREEN)	
	010-90MU0005	FM ANT COVER (NAVY BLUE)	
3-10	023-33014033	SCREW KB 3X14MM (BLK)	

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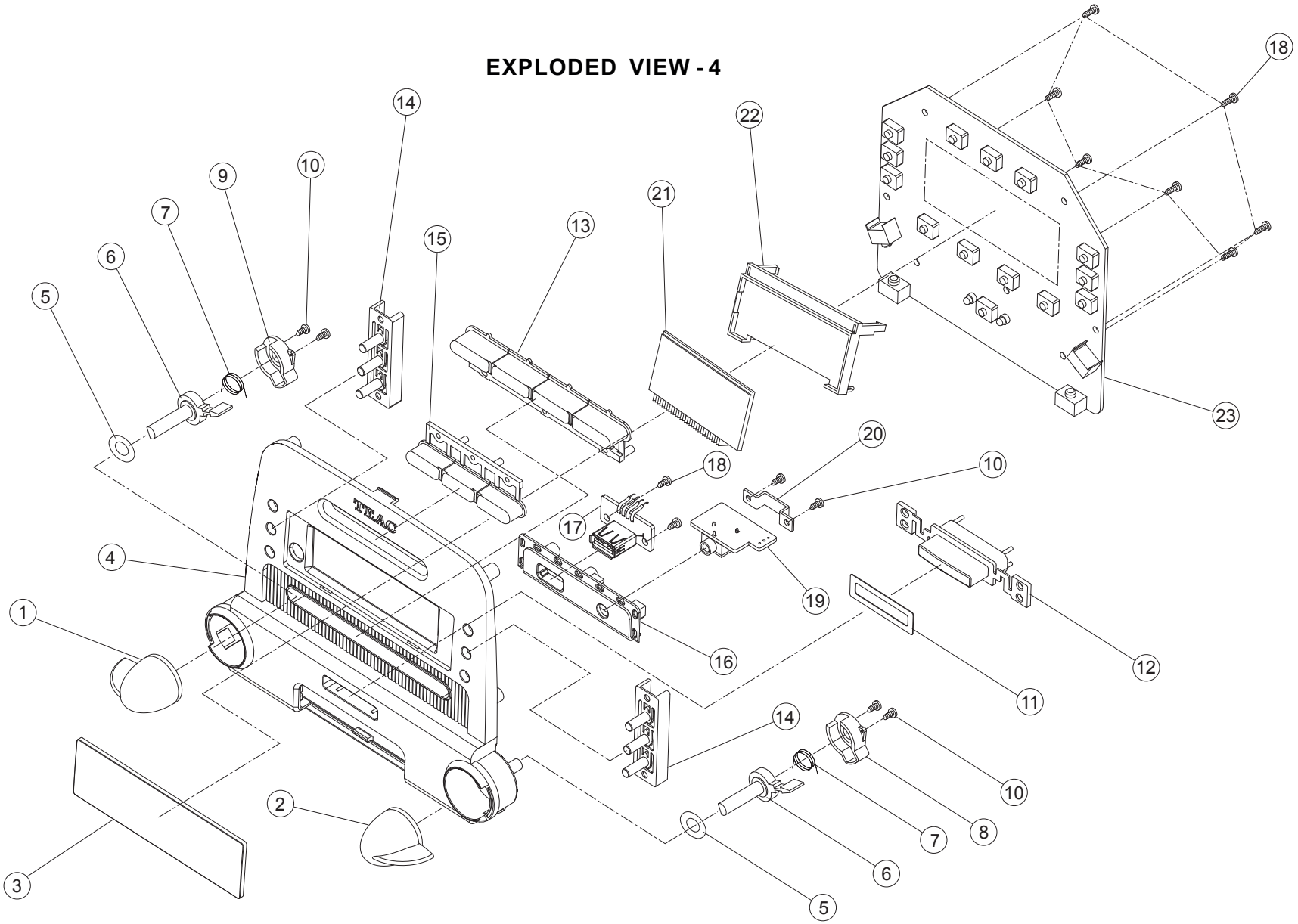
EXPLODED VIEW - 4



EXPLODED VIEW-4

REF. NO	PARTS NO.	DESCRIPTION	REMARK
4-1	004-SD900100	VOLUME KNOB	
4-2	004-SD900200	TUNER KNOB	
4-3	007-SD900100	LCD DISPLAY WINDOW	
4-4	001-90MU0300	CONTROL PANEL	
4-5	012-04120602	PVC WASHER	
4-6	009-28000000	TUNER/VOLUME SW. LEVER	
4-7	031-28000010	VOLUME SPRINGNA	
4-8	010-SD900800	TUNER SPRING COVER	
4-9	010-SD900700	VOLUME SPRING COVER	
4-10	023-12306032	SCREW PB 2.3X6MM	
4-11	015-90MU0200	POWER KNOB PVC SHEET	
4-12	004-90MU0100	POWER KNOB	
4-13	004-SD900500	CD CONTROL KNOB	
4-14	004-SD900600	FUNCTION ROUND KNOB	
4-15	004-90MU0200	FUNCTION KNOB	
4-16	010-90MU0100	USB JACK PANEL	
4-17	100-90MU1110	USB JACK PCB ASSY	
4-18	021-13008032	SCREW PT 3X8MM	
4-19	010-90MU1100	AUX JACK PCB ASSY	
4-20	011-90MU0000	AUX JACK BRACKET	
4-21	080-90MP3021	LCD DISPLAY #TCM-4292	
4-22	010-SD901300	LCD BACK LIGHT HOLDER	
4-23	100-90MU1020	CONTROL PCB ASSY	

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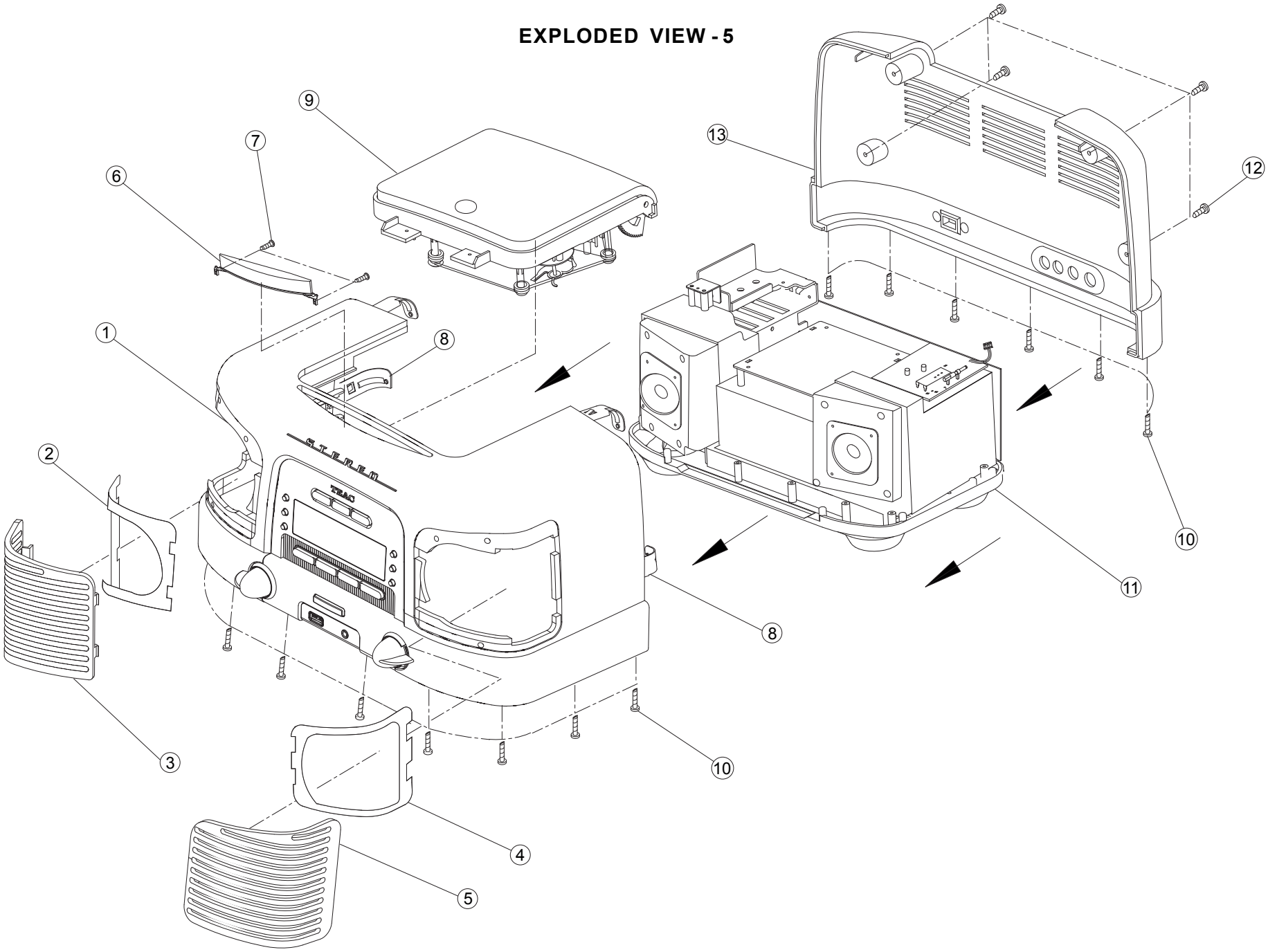
EXPLODED VIEW - 5



EXPLODED VIEW-5

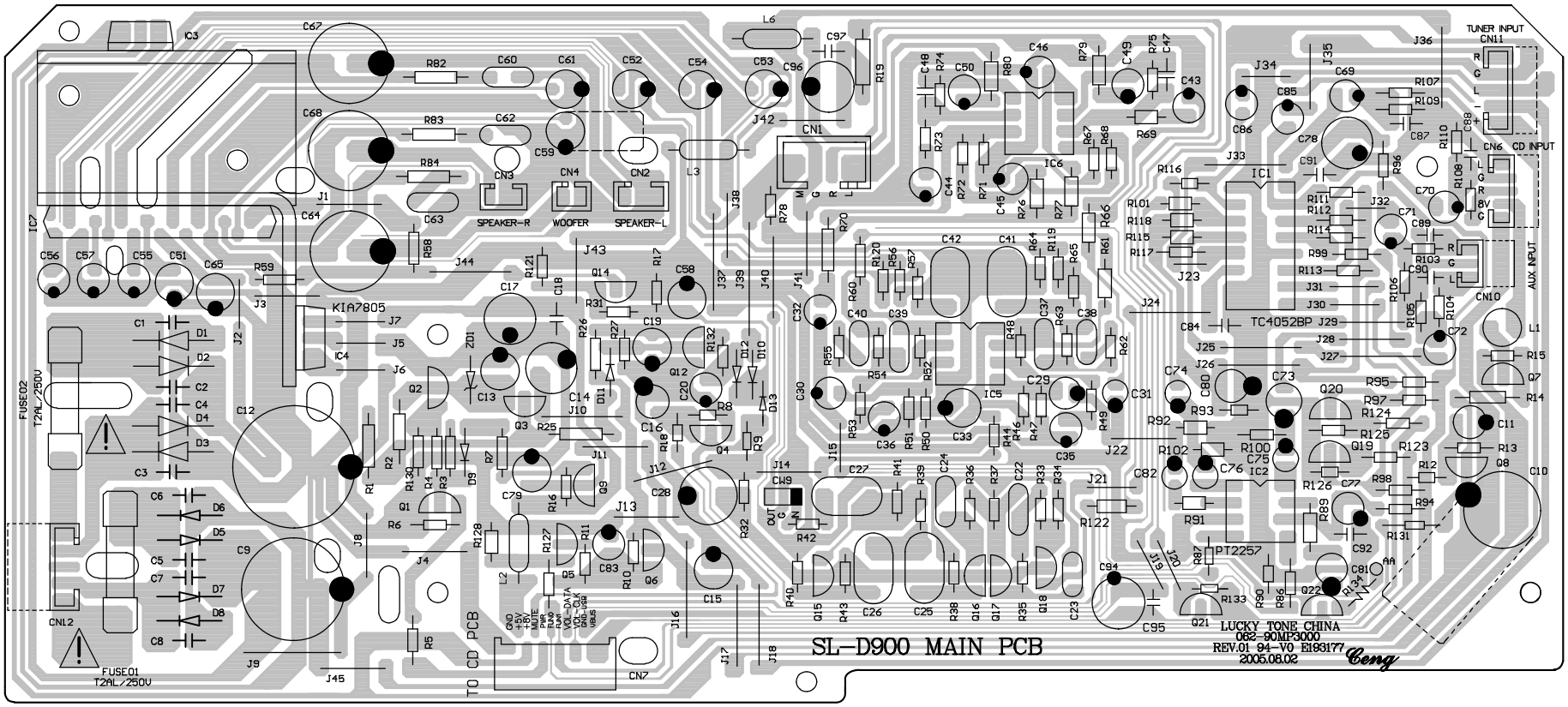
REF. NO	PARTS NO.	DESCRIPTION	REMARK
5-1	001-SD900000	FRONT PANEL(RED)	
	001-90MU0002	FRONT PANEL(WHITE)	
	001-SD900003	FRONT PANEL (BLACK)	
	001-D90S0000	FRONT PANEL (SILVER)	
	001-90MU0000	FRONT PANEL (MOSS GREEN)	
	001-90MU0001	FRONT PANEL (NAVY BLUE)	
5-2	051-SLD90002	LEFT SPEAKER NET HIMERON	
5-3	010-SD900100	LEFT SPEAKER GRILL	
5-4	051-SLD90003	RIGHT SPEAKER NET HIMERON	
5-5	010-SD900200	RIGHT SPEAKER GRILL	
5-6	004-SD900000	SNOOZE KNOB (RED)	
	004-90MU0002	SNOOZE KNOB (WHITE)	
	004-SD900003	SNOOZE KNOB (BLACK)	
	004-D90S0000	SNOOZE KNOB (SILVER)	
	004-90MU0000	SNOOZE KNOB (MOSS GREEN)	
	004-90MU0001	SNOOZE KNOB (NAVY BLUE)	
5-7	021-13008032	SCREW PT3X8MM	
5-8	011-SD900000	PANEL BRACKET	
5-9		CD ASSY	
5-10	021-23014033	SCREW BE 3X14MM (BLK)	
5-11		SPEAKER BOX ASSY	
5-12	022-23008033	SCREW BM 3X8MM (BLK)	
5-13		BACK PANEL ASSY	

4 PC BOARDS AND PARTS LIST

MAIN PCB ASSY

REF. NO		PARTS NO.	DESCRIPTION	REMARK
		100-90MU1010	MAIN PCB ASSY	
		062-90MP3010	MAIN PCB	
C9	⚠	072-30220251	CE, 25V 2200UF	
C10	⚠	072-30100161	CE, 16V 1000UF	
C12	⚠	072-30470251	CE, 25V 4700UF	
C64,37,68	⚠	072-30100251	CE, 25V 1000UF	
CN1		082-20400100	CONNECTOR 4P P=2.5MM	
CN2		082-10340100	CONNECTOR 3PIN P=2.5MM	
CN3		082-10300100	CONNECTOR 3PIN P=2MM	
CN4		082-10240100	CONNECTOR 2PIN P=2.5MM	
CN6		082-20500100	CONNECTOR 5PIN P=2MM	
CN7		082-21150100	FPC CONNECTOR 11PIN P=1.25MM	
CN10		082-20300100	CONNECTOR 3PIN P=2MM	
CN11,12		082-20540100	CONNECTOR 5PIN P=2.5MM	
D1-4	⚠	077-10539201	DIODE IN5392	
D5-8		077-10400201	DIODE IN4002	
D9-14		077-00414801	DIODE IN4148	
FUSE01,02	⚠	090-22520022	FUSE T2AL 250V	
IC1		075-00405201	IC-TC4052BP	
IC2		075-00225700	IC-PT2257DIP	
IC3		075-00780801	IC-AN7808	
IC4		075-00780501	IC-KIA7805PI	
IC5,6		075-01521808	IC-BA15218	
IC7		075-00821841	IC-TA8218AH	
L1		052-SRL50020	UPRIGHT FERRITE CORE	
L2,3,6		052-SRL50010	HORIZONTAL FERRITE CORE	
L7		078-06301952	FILTER COIL 3X0.5MMX19.5T	
Q1,2,4,5,8, Q12,14-20		076-00C94500	TR-2SC945	
Q3,11		076-C2001L00	TR-2SC2001L	
Q6,9,21		076-00A73300	TR-2SA733	
Q7		076-00B54400	TR-2SB544F	
Q10		076-00B77200	TR-2SB772	
ZD1		077-3011B20H	ZENER DIODE 10V	

MAIN PCB

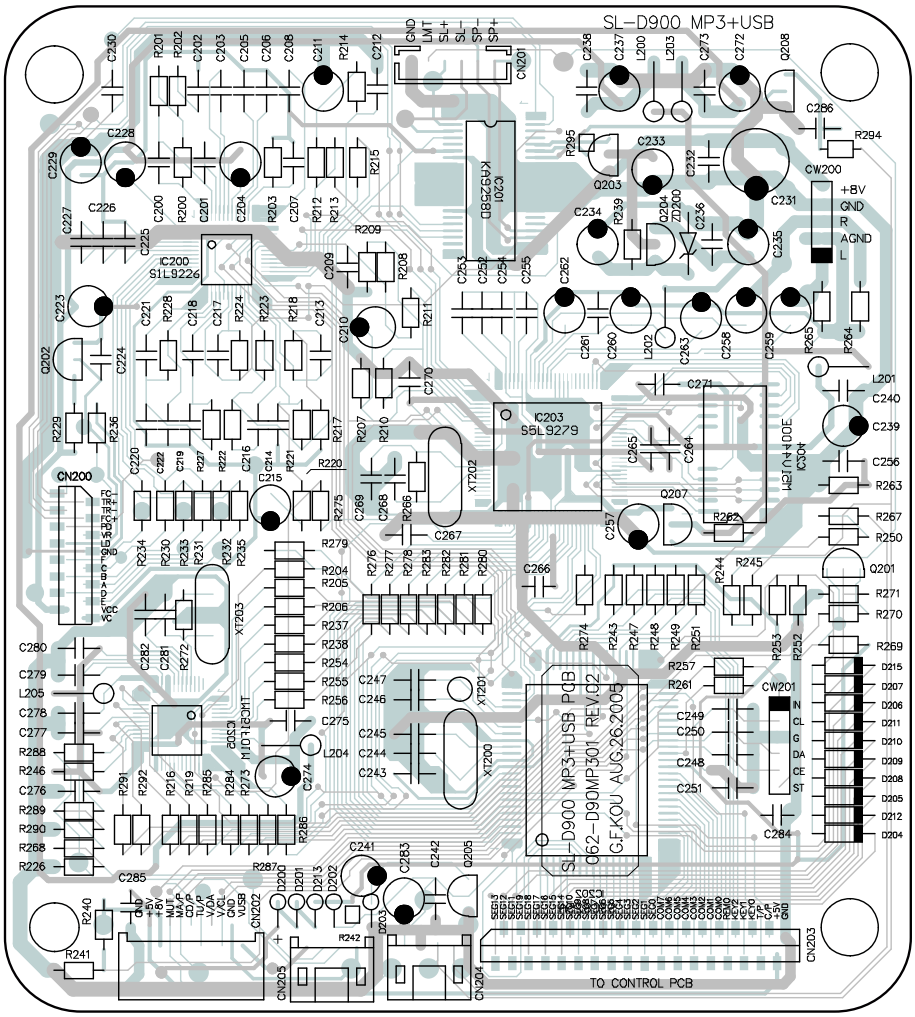

SL-D900 MAIN PCB
LUCKY TONE CHINA
062-90MP3000
REV.01 94-V0 E193177
2005.06.02
TUNER INPUT
CD INPUT
AUX INPUT
SPEAKER-R
WOOFER
SPEAKER-L
KIA7805
TC4052BP
PT2257
FUSE02
T2AL/250V
FUSE01
T2AL/250V
TO CD PCB

SL-D900

CD PCB ASSY

REF. NO	PARTS NO.	DESCRIPTION	REMARK
	100-90MU1030	CD PCB ASSY	
	062-90MP3001	CD PCB	
CN200	082-21600305	FPC CONNECTOR 16PIN P=1MM	
CN201	082-20600100	CONNECTOR 6PIN P=2.0MM	
CN202	082-21150100	FPC CONNECTOR 11PIN P=1.25MM	
CN203	082-23630300	FPC CONNECTOR 36PIN P=1.0MM	
CN204	082-20400100	CONNECTOR 4PIN P=2MM	
CN205	082-20400200	CONNECTOR 4PIN P=2MM	
D200-207,210-213	077-00414801	DIODE IN4148	
IC200	075-00922639	IC-SIJ9226	
IC201	075-00925823	IC-KA9258D	
IC202	075-35USBN39	IC-S3P825AXZZ	
IC203	075-00831039	IC-S5L8310W	
IC204	075-51440039	IC-MSM51V4400E	
IC205	075-51FG0039	IC-TMC51F-G	
L200-203	095-00100001	INDUCTOR 10UH	
L204	095-00220001	INDUCTOR 22UH	
L205	052-SRL50020	UPRIGHT FERRITE CORE	
Q201,202	076-00A73300	TR-2SA733	
Q203	076-00B54400	TR-2SB544F	
Q204	076-C2001L00	TR-2SC2001L	
Q205,207,208	076-00C94500	TR-2SC945	
XT200	093-08000000	CRYSTAL 8.0MHZ	
XT201	093-A0327682	CRYSTAL 32.768KHZ	
XT202	093-11693440	CRYSTAL 16.9344MHZ	
XT203	093-11200000	CRYSTAL 12.0MHZ	
ZD200	077-3005B20H	ZENER DIODE 3.6V	

CD PCB

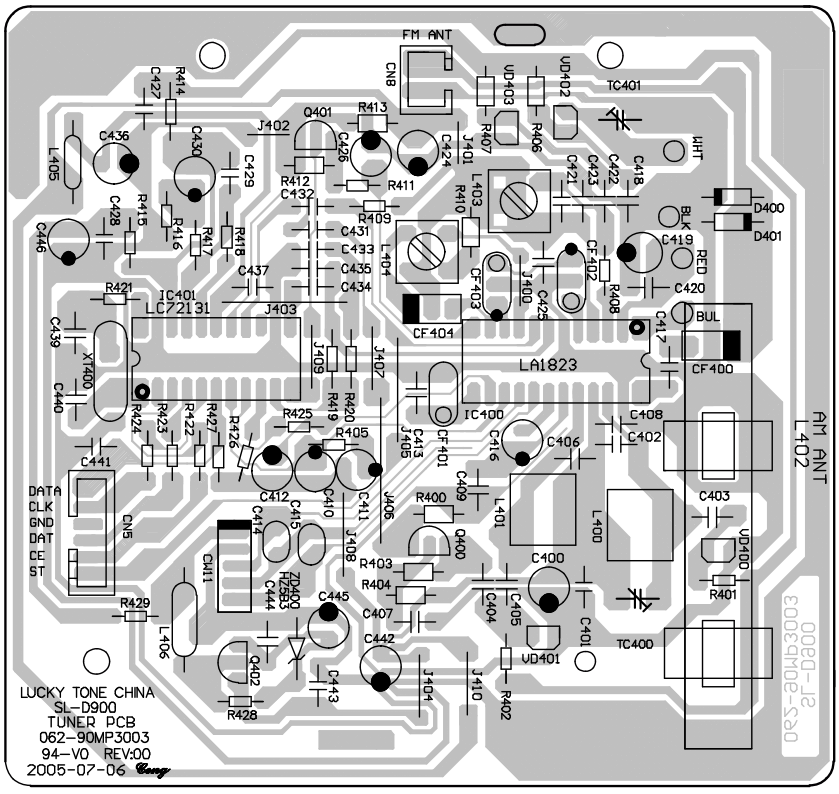

SL-D900 MP3+USB
SL-D900 MP3+USB PCB
062-D90MP301 REV.02
G.F.KOU AUG.26.2005
TO CONTROL PCB
IC200
S1L9226
IC203
S5L9279
CN200
CN201
CN202
CN203
CN204
CN205
CW200
CW201
Q203
Q207
Q201
Q205
XT200
XT201
XT202
XT203
L200
L201
L202
L203
L204
L205

SL-D900

TUNER PCB ASSY

REF. NO	PARTS NO.	DESCRIPTION	REMARK
	100-90MU1040	TUNER PCB ASSY	
	062-90MP3003	TUNER PCB	
	056-10080001	FERRITER BAR D10x80MM	
CF400	054-0GP18000	FM ANT FILTER GFMB3	
CF401	093-11070004	CER. FILTER JT10.7MG1-A	
CF402,CF403	081-31070201	AM FILTER L10.7MA5-A	
CF404	081-04500000	FM FILTER SFU450B	
CN5	082-20600100	CONNECTOR 6PIN P=2MM	
CN8	082-10240100	CONNECTOR 2PIN P=2.5MM	
D400,401	077-00414801	DIODE IN4148	
IC400	075-00182302	IC-LA1823	
IC401	075-07213109	IC-SC72131	
L400,401	078-08500351	FM RF COIL 0.8X5X3.5T	
L402	096-SLD90010	AM ANT COIL 66T:14T	
L403	079-D2930210	AM OSC COIL - RED	
L404	079-SLD90410	AM IFT COIL - YELLOW	
L405	095-00100001	INDUCTOR 10UH	
L406	095-10220001	INDUCTOR 220UH	
Q400	076-C1674L00	TR-2SC1674L	
Q401,402	076-00C94500	TR-2SC945	
TC400,401	073-00020022	TRIMMER 20P	
VD400,401	077-50010101	DIODE ISV101	
VD402,403	077-50014901	DIODE ISV149	
XT400	093-04500000	CRYSTAL 4.5MHZ	
ZD400	077-3005B20H	ZENER DIODE 5.2V	

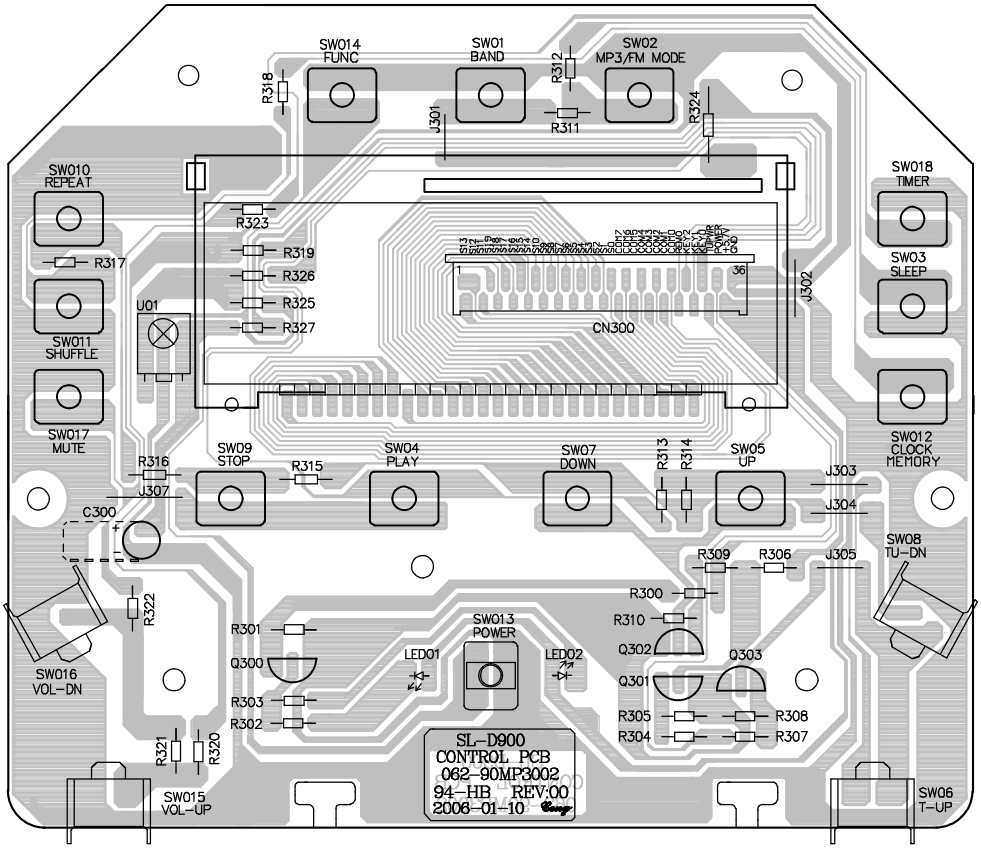
TUNER PCB


FM ANT
AM ANT
L402
IC401
LC72131
IC400
LA1823
X1400
CN5
DATA
CLK
GND
DAT
CE
ST
LUCKY TONE CHINA
SL-D900
TUNER PCB
062-90MP3003
94-V0 REV:00
2005-07-06

CONTROL PCB ASSY

REF. NO	PARTS NO.	DESCRIPTION	REMARK
	100-90MU1020	CONTROL PCB ASSY	
	062-90MP3002	CONTROL PCB	
CN300	082-23630300	FPC CONNECTOR 36PIN P=1.0MM	
LCD1	080-90MP3021	LCD DISPLAY #TCM-4292	
LED01,02	094-03020301	LED 3MM-ORANGE	
Q300-303	076-00C94500	TR-2SC945	
SW01-05,07,09-012, SW014,017,018	063-0GP28020	TACH SW H=5MM	
SW06,08,015,016	063-D2800020	TACH SW SKHHALM	
SW013	063-SRL35090	TACH SW H=5.5MM	
U01	083-00LT1000	RECEIVER SENSOR	

CONTROL PCB


SW014
FUNC
SW01
BAND
SW02
MP3/FM MODE
SW010
REPEAT
SW011
SHUFFLE
SW017
MUTE
SW018
TIMER
SW03
SLEEP
SW012
CLOCK
MEMORY
SW09
STOP
SW04
PLAY
SW07
DOWN
SW05
UP
SW08
TU-DN
SW016
VOL-DN
SW015
VOL-UP
SW06
T-UP
SW013
POWER
LED01
LED02
U01
CN300
J301
J302
J303
J304
J305
J307
C300
R300
R301
R302
R303
R304
R305
R306
R307
R308
R309
R310
R311
R312
R313
R314
R315
R316
R317
R318
R319
R320
R321
R322
R323
R324
R325
R326
R327
Q300
Q301
Q302
Q303
SL-D900
CONTROL PCB
062-90MP3002
94-HB REV:00
2006-01-10

SL-D900

BASS VR PCB ASSY

REF. NO	PARTS NO.	DESCRIPTION	REMARK
	100-90MU1050	BASS VR PCB ASSY	
		BASS VR PCB	
CN9	082-10300100	CONNECTOR 3PIN P=2MM	
VR1	069-SD901000	VOLUME 50KB+C	

SNOOZE PCB ASSY

REF. NO	PARTS NO.	DESCRIPTION	REMARK
	100-90MU1080	SNOOZE PCB ASSY	
		SNOOZE PCB	
SW019,021	063-SLD90000	TACH SW H=4.3MM	
SW020	063-SLD90001	TACH SW H=5MM	

CD SWITCH PCB ASSY

REF. NO	PARTS NO.	DESCRIPTION	REMARK
	100-90MU1060	CD SWITCH PCB ASSY	
		CD SWITCH PCB	
SW022	063-SLD80400	CD DOOR ON/OFF SW	
SW023	063-SLD80800	TACH SW H=7.5MM	

PHONE JACK PCB ASSY

REF. NO	PARTS NO.	DESCRIPTION	REMARK
	100-90MU1070	PHONE JACKPCB ASSY	
		PHONE JACK PCB	
JK01	064-35020101	HEAD PHONE JACK 3.5MM	

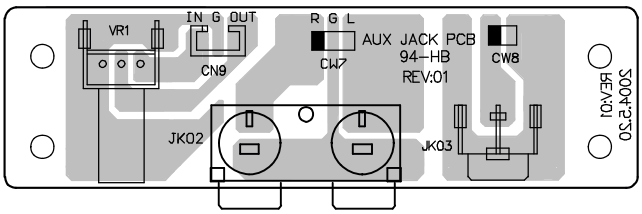
AUX JACK PCB ASSY

REF. NO	PARTS NO.	DESCRIPTION	REMARK
	100-90MU1100	AUX JACK PCB ASSY	
		AUXJACK PCB	
JK1	064-35020002	AUX JACK #TE03501-03	

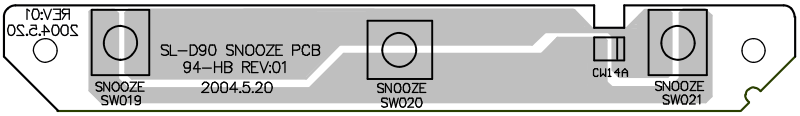
USB JACK PCB ASSY

REF. NO	PARTS NO.	DESCRIPTION	REMARK
	100-90MU1110	USB JACK PCB ASSY	
		USB JACK PCB	
L5	052-SRL50010	HORIZONTAL FERRITE CORE	
JK4	055-90MP300	USB JACK #USB-A001S	

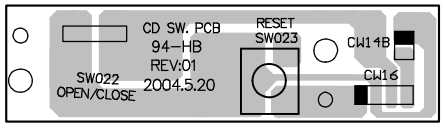
BBS VR PCB



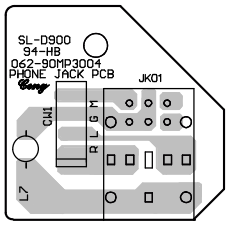
SNOOZE PCB



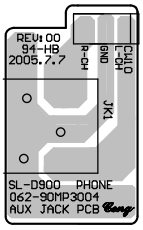
CD SW PCB



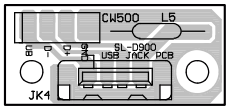
PHONE JACK PCB



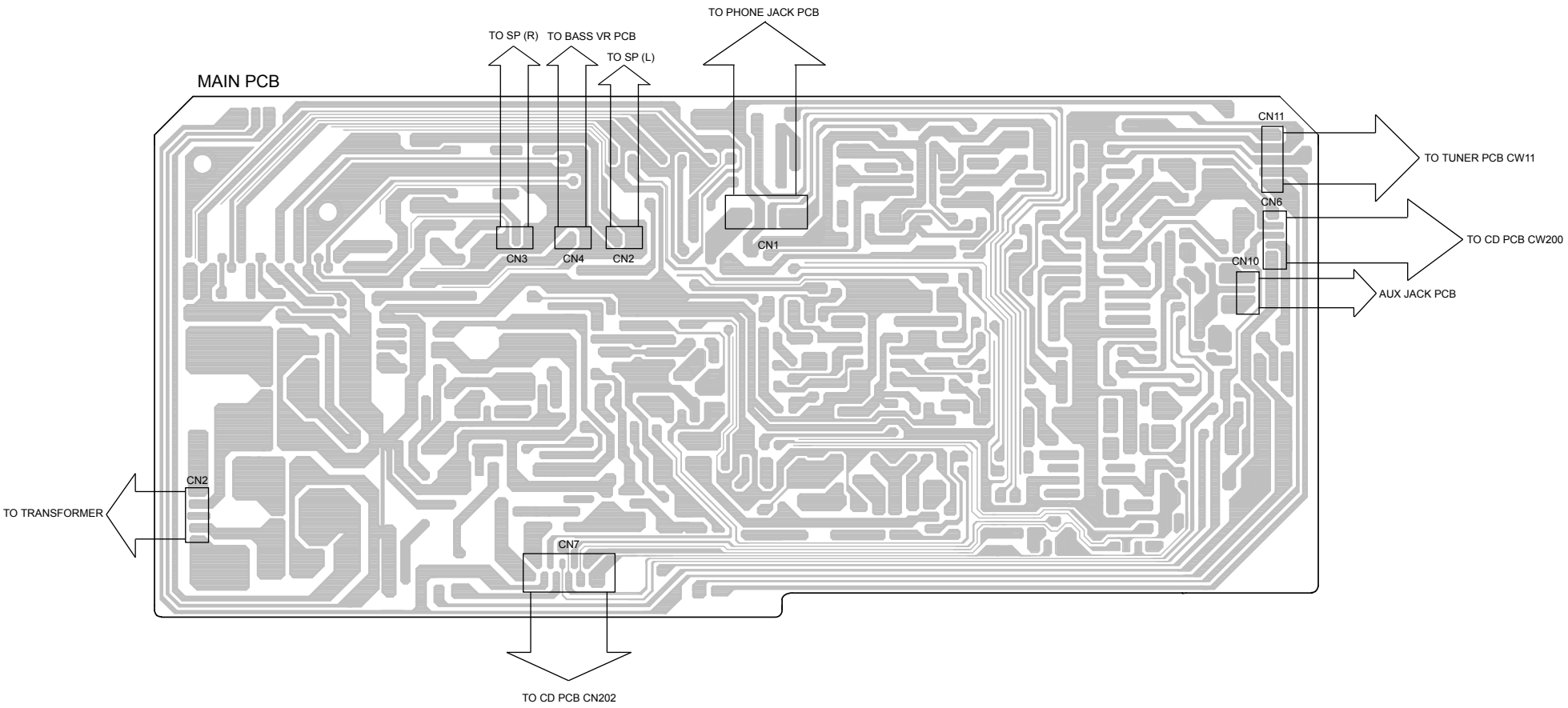
AUX JACK PCB

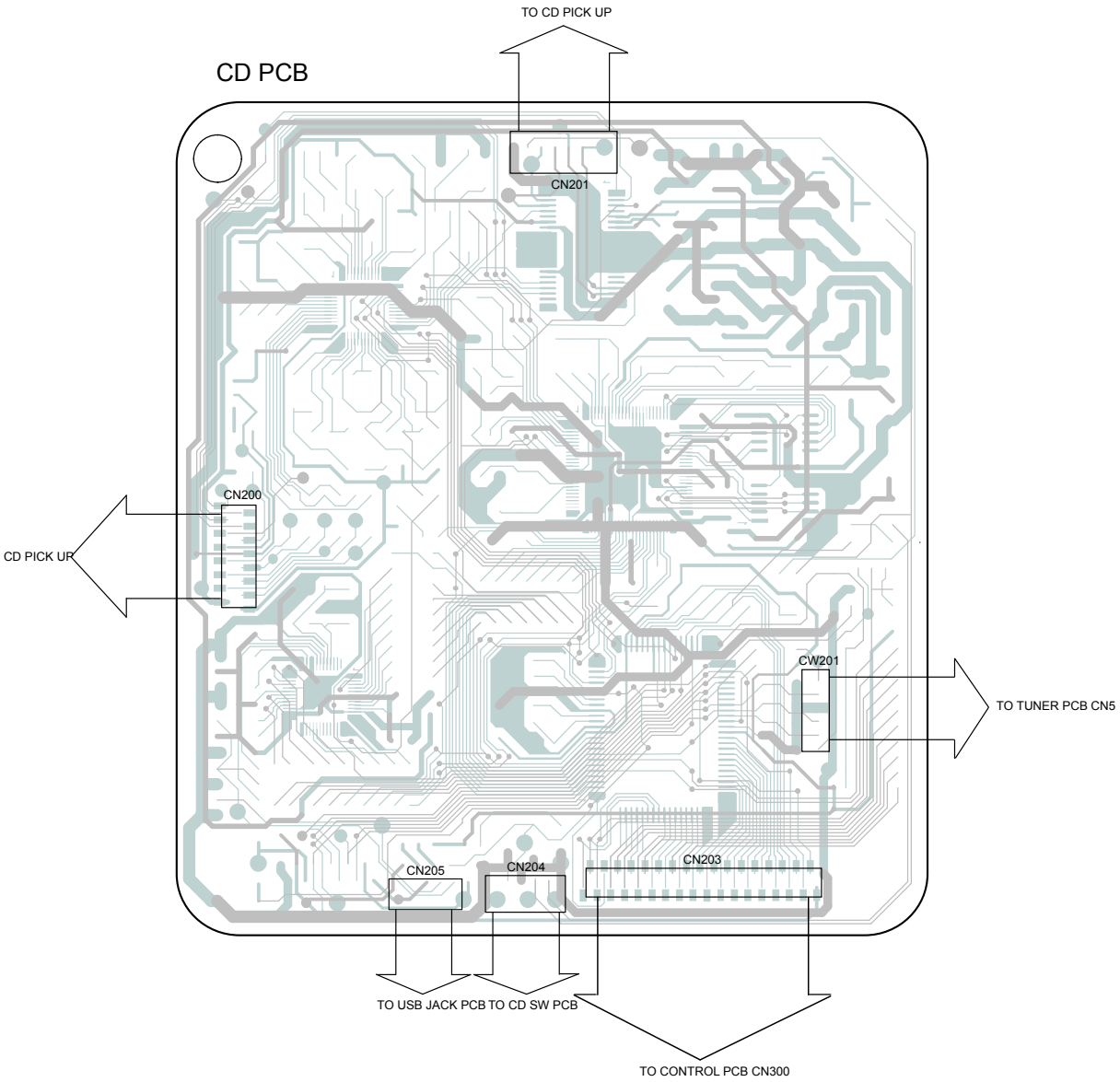


USB JACK PCB



5 WIRING DIAGRAM




TO CD PICK UP
CD PCB
CN201
CN200
CD PICK UP
CW201
TO TUNER PCB CN5
CN205
CN204
CN203
TO USB JACK PCB
TO CD SW PCB
TO CONTROL PCB CN300

6 INCLUDED ACCESSORIES

INCLUDED ACCESSORIES

REF. NO	PARTS NO.	DESCRIPTION	REMARK
	046-90MP3000	INSTRUCTION BOOK - E/F/G/DUTCH	
	046-90MP3001	INSTRUCTION BOOK - I/S	
		REMOTE CONTROL (RED)	
		REMOTE CONTROL (BLACK)	
		REMOTE CONTROL (WHITE)	
		REMOTE CONTROL (SILVER)	
		REMOTE CONTROL (MOSS GREEN)	
		REMOTE CONTROL (NAVY BLUE)	

SL-D900

TEAC

TEAC CORPORATION	3-7-3 Nakacho, Musashino-shi, Tokyo 180-8550, Japan Phone:(0422)52-5081
TEAC AMERICA, INC.	7733 Telegraph Road, Montebello, California 90640 Phone: (323)726-0303
TEAC CANADA LTD.	5939 Wallace Street, Mississauga, Ontario L4Z 1Z8, Canada Phone: (905)-890-8008
TEAC MEXICO, S.A.De C.V.	Campesinos N°184,Colonia.Granjas Esmeraida, Delegacion Iztapalapa,CP 09810,Mexico DF Phone: (525)-581-5500
TEAC UK LIMITED	Unit 19 & 20, The Courtyards, Hatters Lane, Watford, Hertfordshire, WD18 8TE5, U.K. Phone:(0845) 130-2511
TEAC EUROPE GmbH	Bahnstrasse 12, 65205 Wiesbaden-Erbenheim, Germany Phone: 0611-71580
TEAC ITALIANA S.p.A.	Via C, Cantu 9/A, 20092 Cinisello Balsamo, Milano, Italy Phone:02-66010550
TEAC AUSTRALIA PTY., LTD. A.B.N. 80 005 408 462	280 William Street, Melbourne VIC 3000, Australia Phone:(03)9672-2400

FEB 2006

PREPARED IN HONG KONG

SL-D900 TUNER PCB

SL-D900 MAIN PCB

SL-D900

AM/FM STEREO DIGITAL RADIO WITH CD PLAYER

CD PCB

1. FUNCTION PIN:

	FUNCTION 0	FUNCTION 1
CD	H	L
AUX	L	L
TUNER	L	H
USB	H	L

2. TUNER BAND SETUP:

D211	D210	D209	REMARK
✓	✗	✗	UL/CSA
✗	✓	✓	JAPAN
✓	✓	✗	EUROPE

CD SW PCB

SNOOZE SW. PCB

IC200 S1J9226

IC201 KA9258D

IC202 S3P825A

IC203 S5L8310W

IC204 MSM51V4400E

IC205 TMC51F-G

X201 32.768KHz

XT200 8MHz

XT202 16.9344MHz

XT203 12MHz

Q202 2SA733

Q203 2SB544

Q204 2SC2001

Q205 2SC945

Q207 2SC945

Q208 2SC945

Q201 2SA733

CN200 16PIN FPC P=1.0MM

CN201 5PIN P=2.0MM CW200

CN202 11PIN FPC P=1.25MM

CN205 4PIN P=2.0MM

CN201 6PIN P=2.0MM CW201

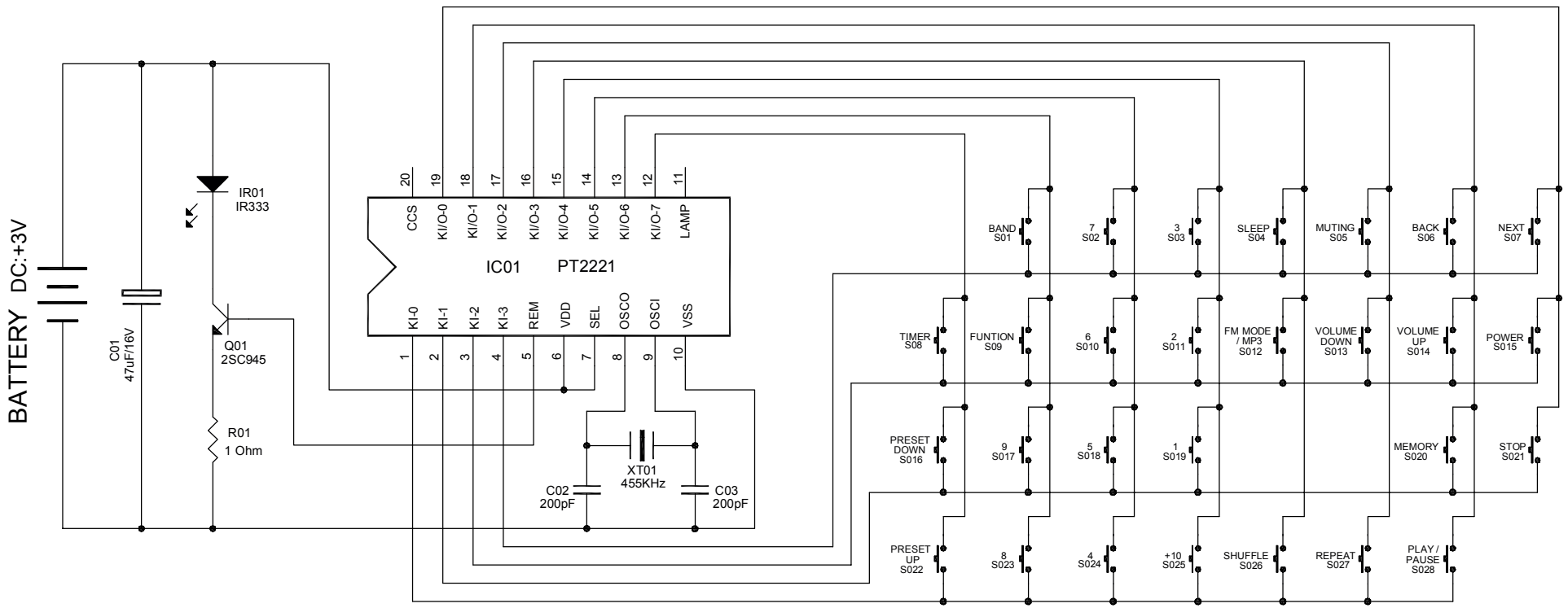
CN203 36PINS FPC P=1.0MM

TO FRONT CONTROL PCB

SL-D900

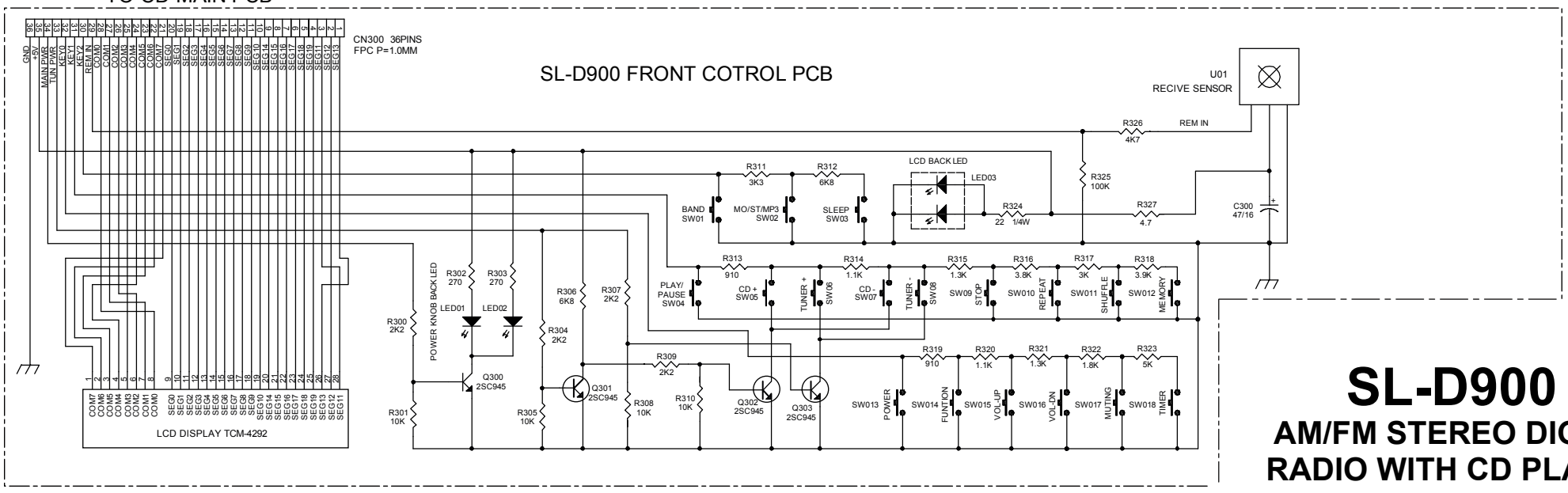
AM/FM STEREO DIGITAL RADIO WITH CD PLAYER

SL-D900 REMOTE COTROL PCB



TO CD MAIN PCB

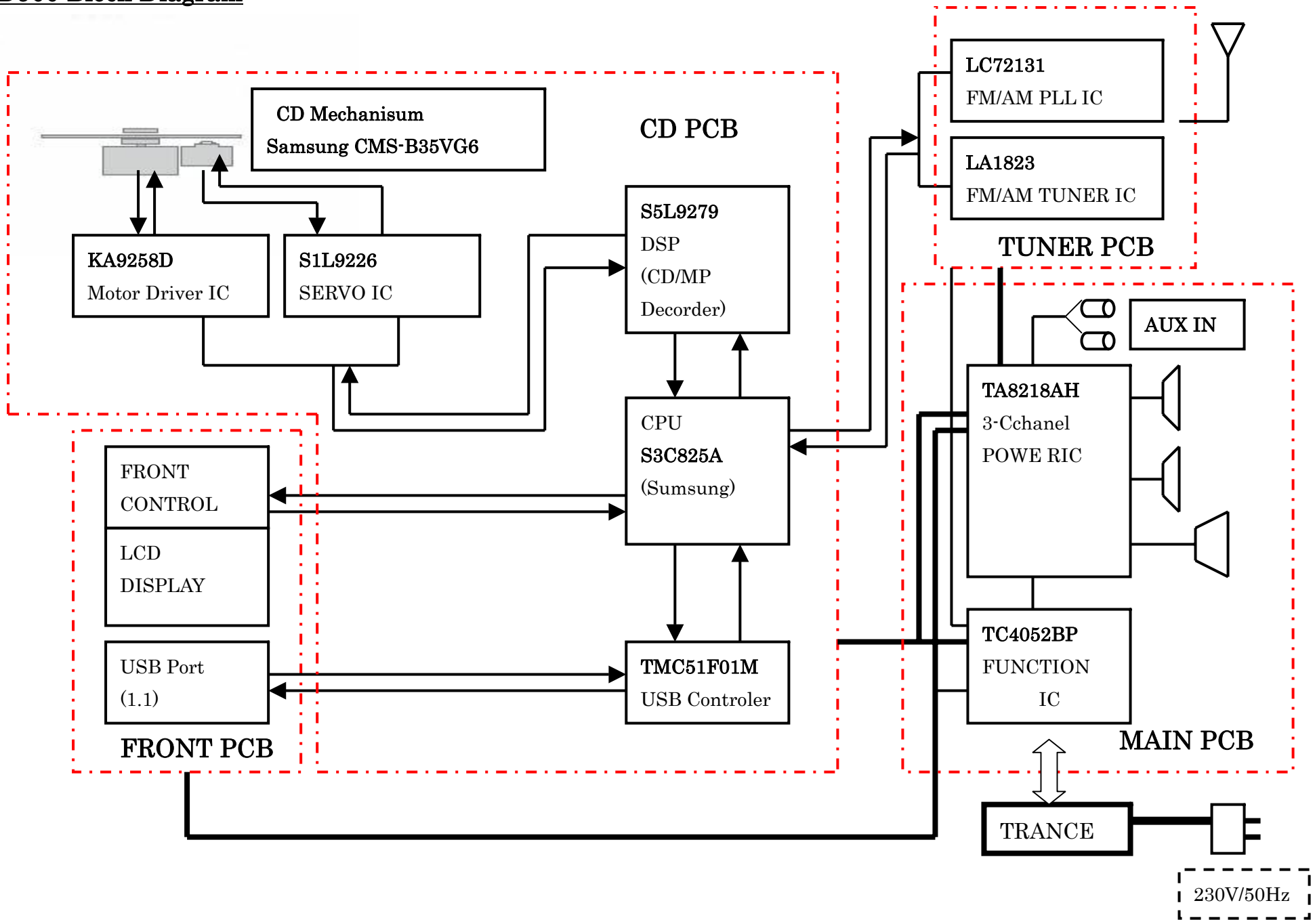
SL-D900 FRONT COTROL PCB



SL-D900

AM/FM STEREO DIGITAL RADIO WITH CD PLAYER

SL-D900 Block Diagram



1. FUNCTION PIN:

	FUNCTION 0	FUNCTION 1
CD	H	L
AUX	L	L
TUNER	L	H
USB	H	L

2. TUNER BAND SETUP:

D211	D210	D209	REMARK
✓	✗	✗	UL/CSA
✗	✓	✓	JAPAN
✓	✓	✗	EUROPE

LUCKY TONE INTERNATIONL CO., LTD	
DRAWING NAME:	CD MAIN PCB
MODEL NO:	SL-D900USB+MP3
REV: 00	DATE: 2005.6.21
□□□□□□	□□□geng yong hao

SL-D900 TUNER PCB

IC400 LA1823 — IC401 LC72131 — IC1 TC4052BP — IC2 PT2257 — IC5<1/2> BA15218 — IC5<2/2> BA15218 — IC6<1/2> BA15218 — IC6<2/2> BA15218 — IC7 TA8218AH — IC3 AN7808 — IC4 KIA7805

CF400 B.P.F.<75 OHM> GFWB3 SE

AM ANT — AM OSC — AM IFT

L-CH — R-CH

AUX JACK PCB WOOFER VR — WOOFER INPUT

PHONES JACK PCB — USB JACK PCB

SPEAKER-L 2" 8 OHM — SPEAKER-R 2" 8 OHM — W00FER 3" 8 OHM

TRANSFORMER — AC COARD — AC INPUT: 230V/50HZ

FM ANT — AUX INPUT — CD INPUT

TO CD PCB — CN5 6 PIN P=2.0mm — CN6 5PIN P=2.0mm — CN7 FPC 11PIN P=1.25mm

SL-D900 MAIN PCB < 3PCS SPEAKER SYSTEM >

LUCKY TONE INTERNATIONAL CO.,LTD	
DRAWING NAME:	MAIN PCB
MODEL NO:	SL-D900USB+MP3
REV:00	DATE:2005-06-21

BATTERY DC:+3V

C01
47uF/16V

IR01
IR333

Q01
2SC945

R01
1 Ohm

IC01 PT2221

20	19	18	17	16	15	14	13	12	11
CCS	KI/O-0	KI/O-1	KI/O-2	KI/O-3	KI/O-4	KI/O-5	KI/O-6	KI/O-7	LAMP

1	2	3	4	5	6	7	8	9	10
KI-0	KI-1	KI-2	KI-3	REM	VDD	SEL	OSCO	OSCI	VSS

XT01
455KHz

C02
200pF

C03
200pF

BAND S01	7 S02	3 S03	SLEEP S04	MUTING S05	BACK S06	NEXT S07			
TIMER S08	FUNTION S09	6 S010	2 S011	FM MODE / MP3 S012	VOLUME DOWN S013	VOLUME UP S014	POWER S015		
PRESET DOWN S016	9 S017	5 S018	1 S019			MEMORY S020	STOP S021		
PRESET UP S022	8 S023	4 S024	+10 S025	SHUFFLE S026	REPEAT S027	PLAY / PAUSE S028			

TO CD MAIN PCD

CN300 36PINS
FPC P=1.0MM

36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
GND	+5V	MAIN PWR	TUN PWR	KEY0	KEY1	KEY2	REM IN	COM0	COM1	COM2	COM3	COM4	COM5	COM6	COM7	SEG0	SEG1	SEG2	SEG3	SEG4	SEG5	SEG6	SEG7	SEG8	SEG9	SEG10	SEG14	SEG15	SEG16	SEG17	SEG18	SEG19	SEG11	SEG12	SEG13

SL-D900 REMOTE COTROL PCB

SL-D900 FRONT COTROL PCB

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
COM7	COM6	COM5	COM4	COM3	COM2	COM1	COM0	SEG0	SEG1	SEG2	SEG3	SEG4	SEG5	SEG6	SEG7	SEG8	SEG9	SEG10	SEG14	SEG15	SEG16	SEG17	SEG18	SEG19	SEG13	SEG12	SEG11

LCD DISPLAY TCM-4292

U01
RECIVE SENSOR

R326 4K7 REM IN

R325 100K

R327 4.7

C300 47/16

LCD BACK LED
LED03

R324 22 1/4W

R311 3K3
R312 6K8

BAND SW01
MO/ST/MP3 SW02
SLEEP SW03

R313 910
R314 1.1K
R315 1.3K
R316 3.8K
R317 3K
R318 3.9K

PLAY/ PAUSE SW04
CD + SW05
TUNER + SW06
CD - SW07
TUNER - SW08
SW09 STOP
SW010 REPEAT
SW011 SHUFFLE
SW012 MEMORY

R319 910
R320 1.1K
R321 1.3K
R322 1.8K
R323 5K

SW013 POWER
SW014 FUNTION
SW015 VOL-UP
SW016 VOL-DN
SW017 MUTING
SW018 TIMER

POWER KNOB BACK LED

R300 2K2
R301 10K
R302 330
R303 330
R304 2K2
R305 10K
R306 6K8
R307 2K2
R308 10K
R309 2K2
R310 10K

LED01
LED02

Q300 2SC945
Q301 2SC945
Q302 2SC945
Q303 2SC945

LUCKY TONE INTERNATIONL CO., LTD	
DRAWING NAME:	REMOTE CONTROL PCB FRONT CONTROL PCB
MODEL NO:	SL-D900MP3+USB
REV: 00	DATE: 2005.6.21
□□□□□□	□□□geng yong hao

■ SL-D90/900, Procedure of CD Drive unit and Power X'mer replacement

(1) Remove screws from bottom side.

*For the CD Drive unit ---- 5 indicated by Red.

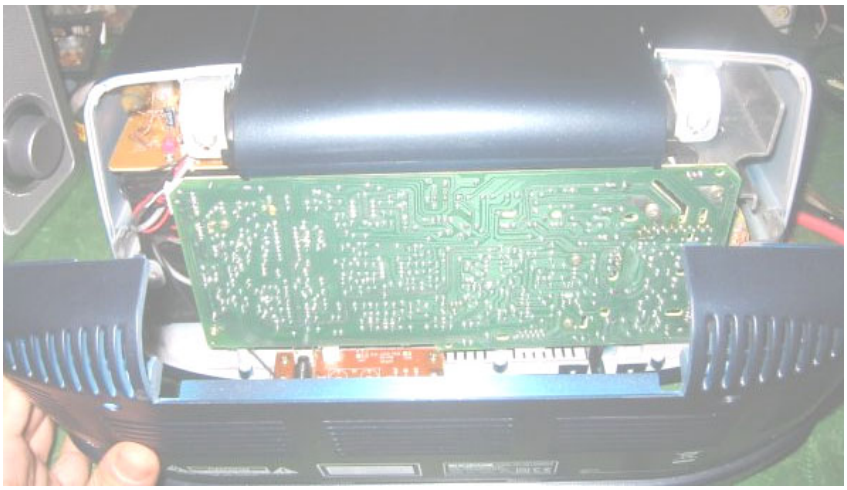
*For the Power X'mer ---- totally 11, 5 indicated by Red and 6 indicated by Blue.

(2) Remove screws from back side.

*4 indicated by Red

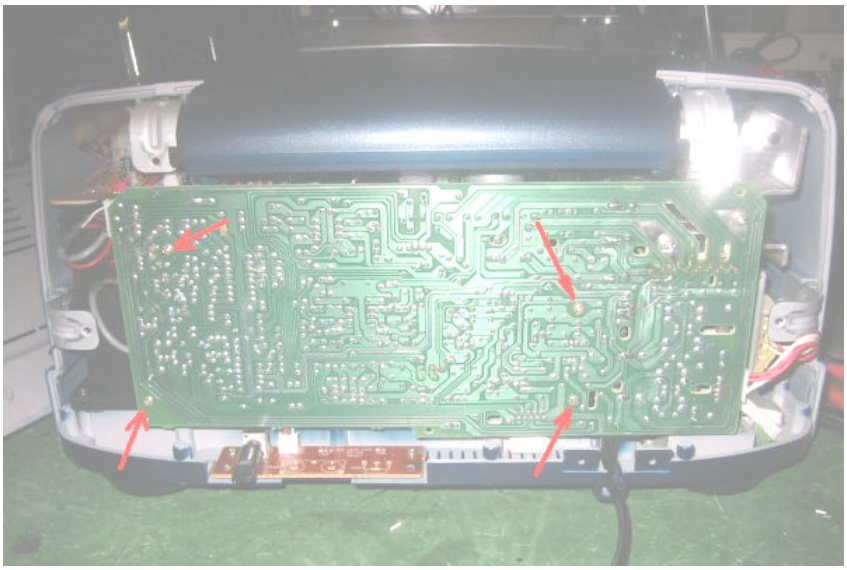
*These screw are 3M Bind type. Fixed onto the 4 metal brackets.

(3) Detach the Rear Case from the Front Case.

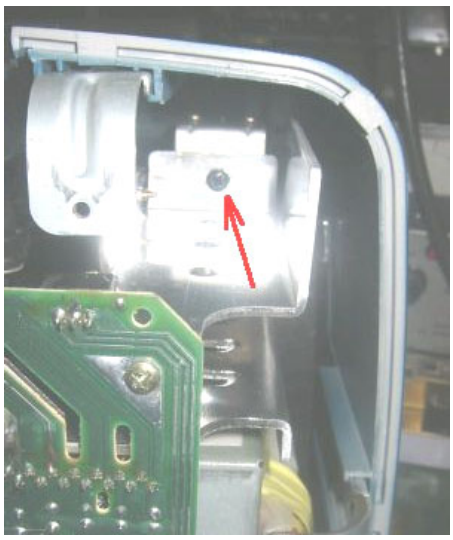


(4) Remove screws from the Main PCB Assy and the Heatsink.

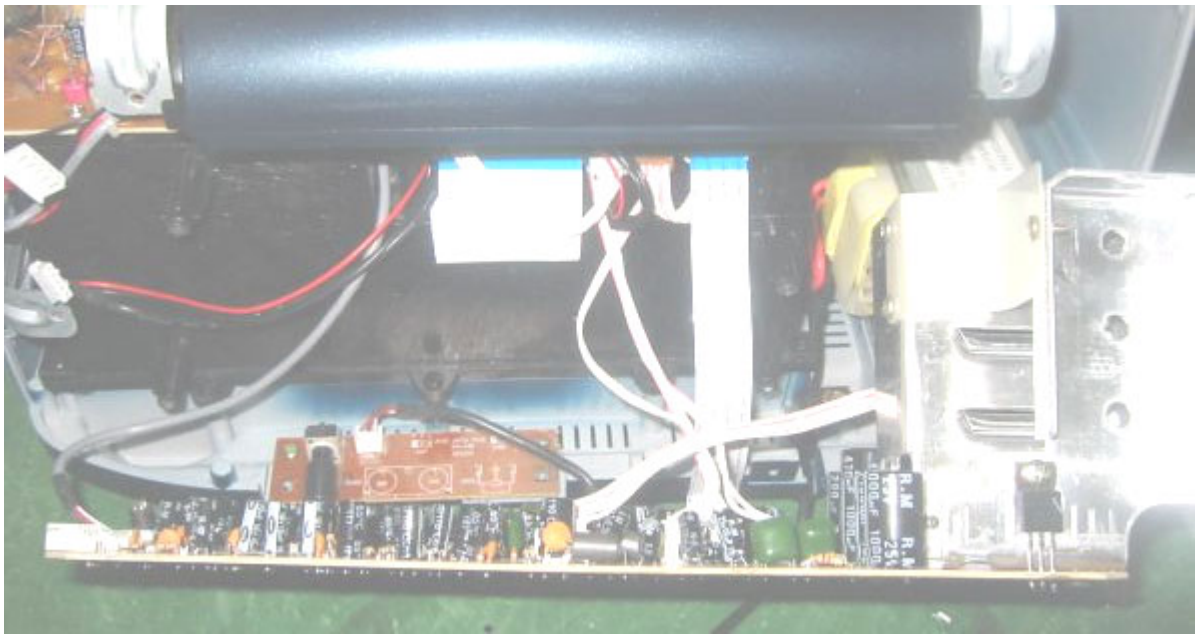
* 5 indicated by Red.



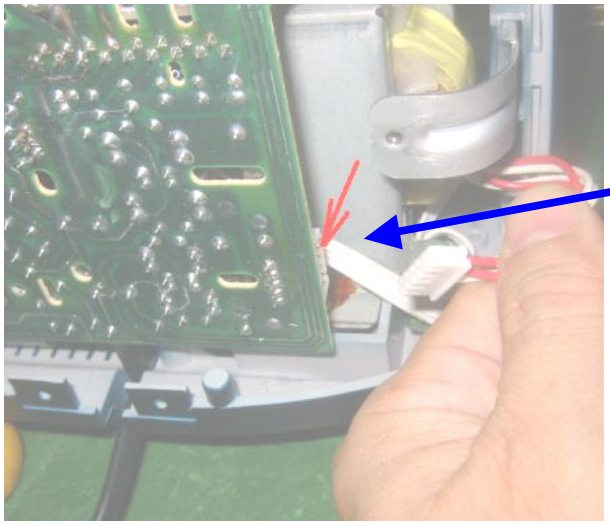
* 1 indicated by Red from the Heatsink.



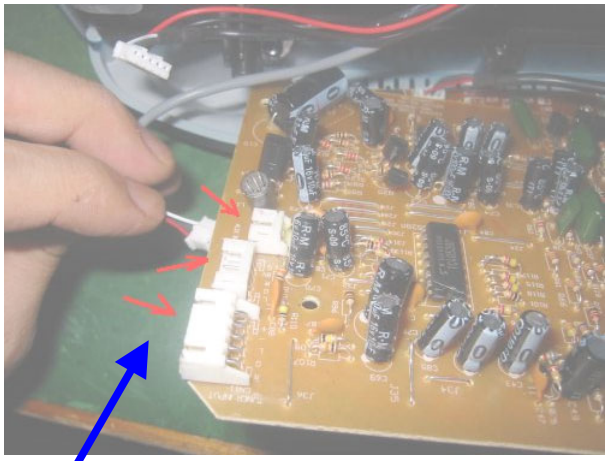
(5) The Main PCB A is detached and lying down by disconnecting the following cables.

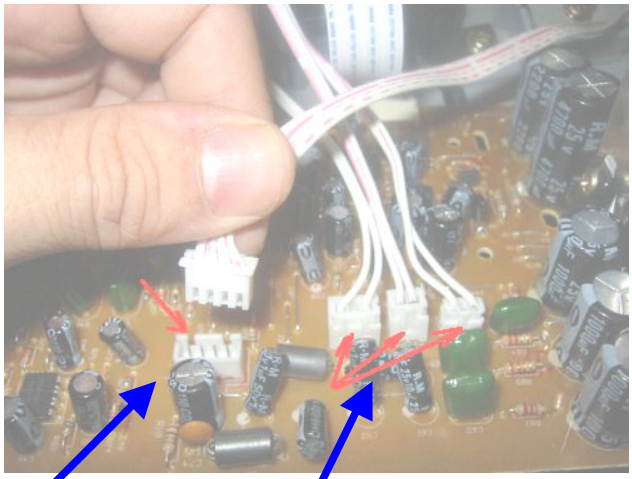


*Disconnect all the cables with connector.



Power cables from the Power X'mer

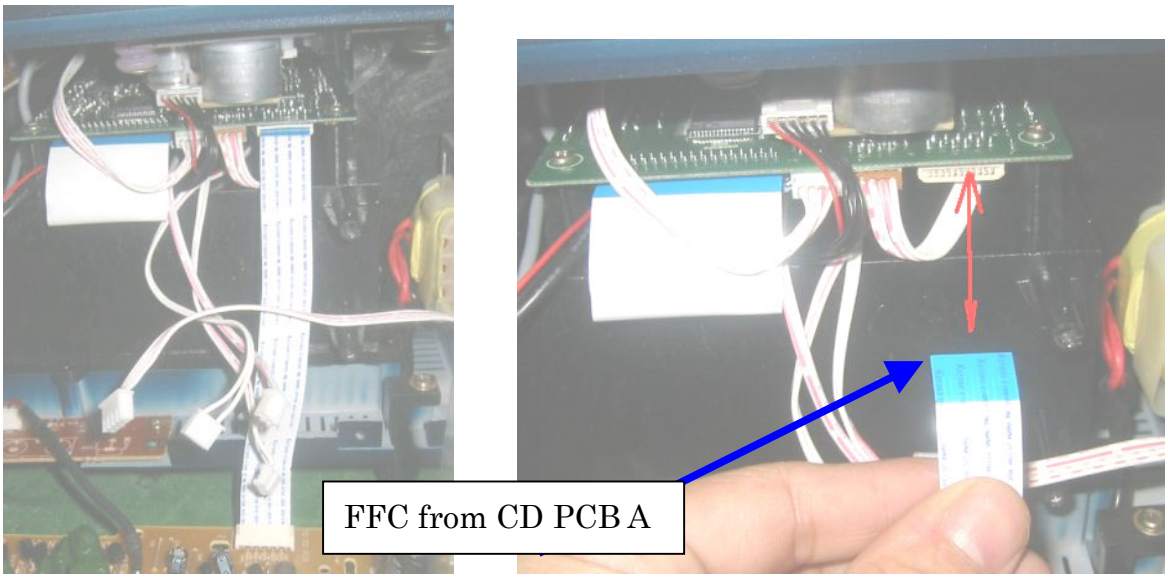




3 at Left side

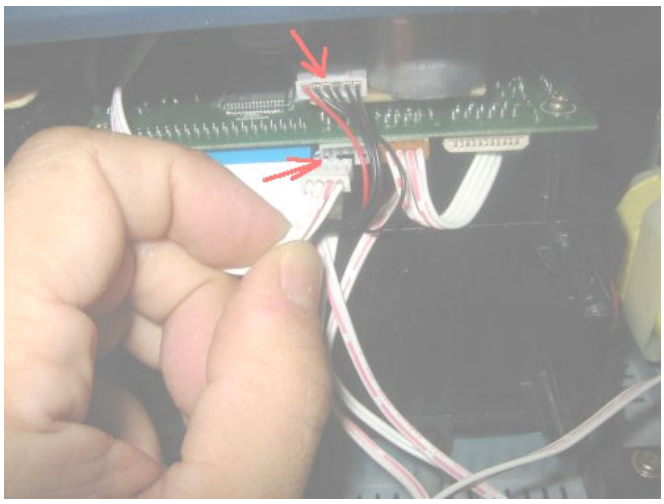
From Headphone

3 from Speakers

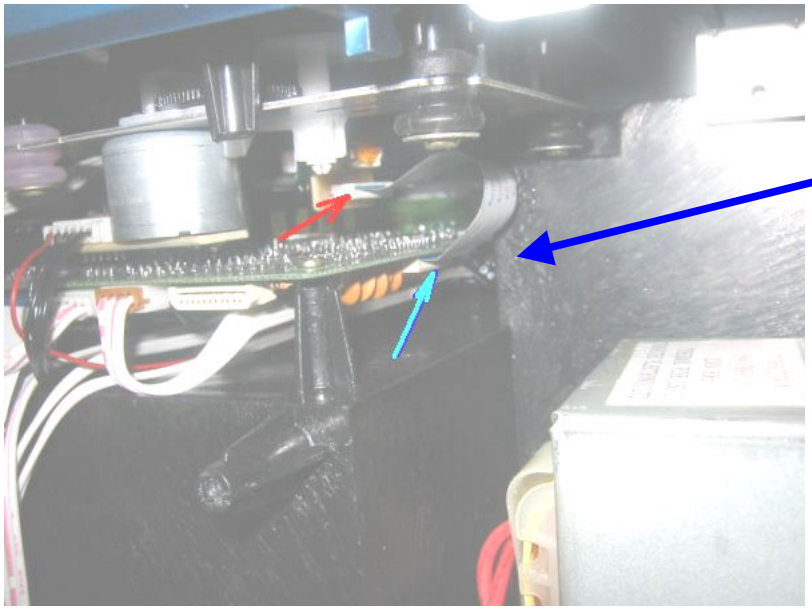


*Other cables are from TUNER PCB A and AUX PCB A

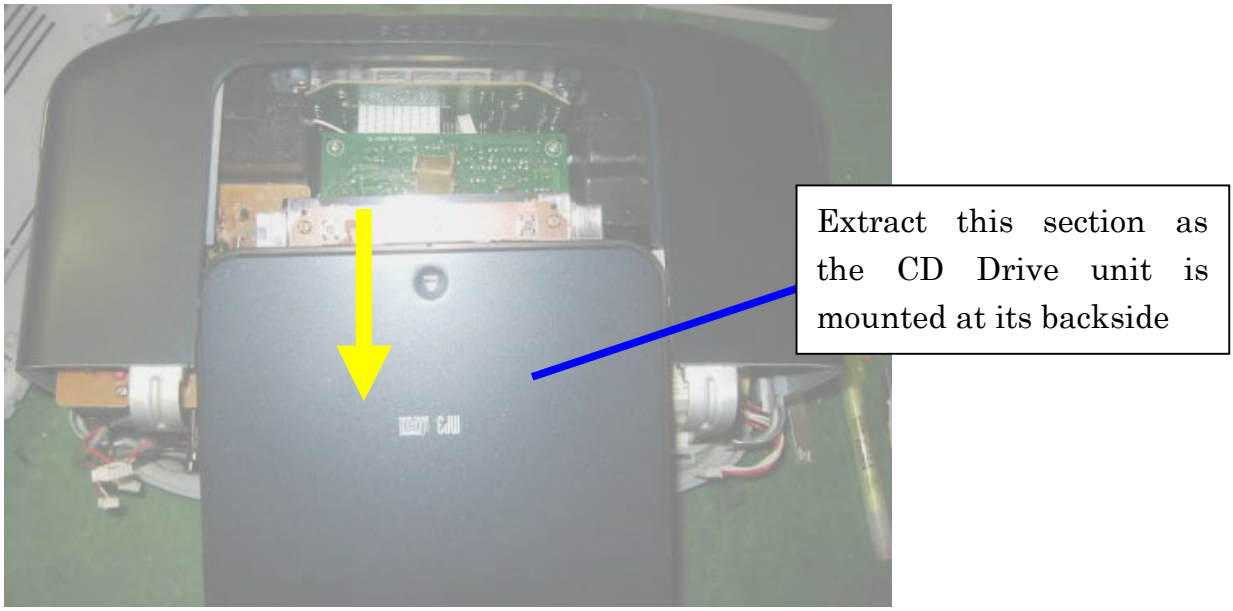
(6) Disconnect cables from CD Drive unit and CD PCB A



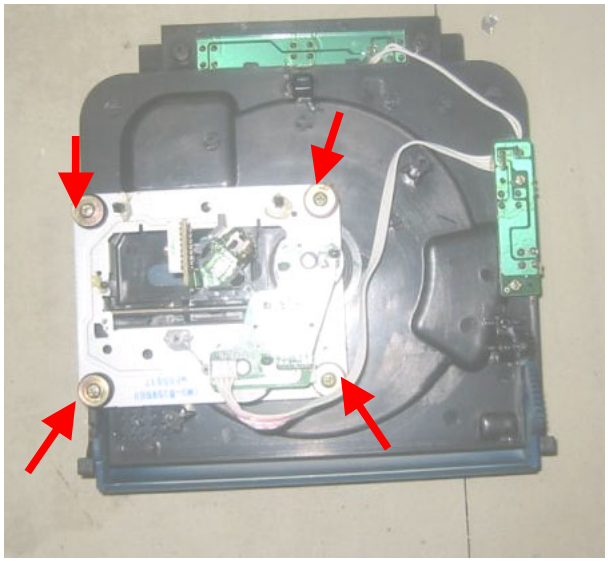
*This connector is inside of the Main body at right-hand side.



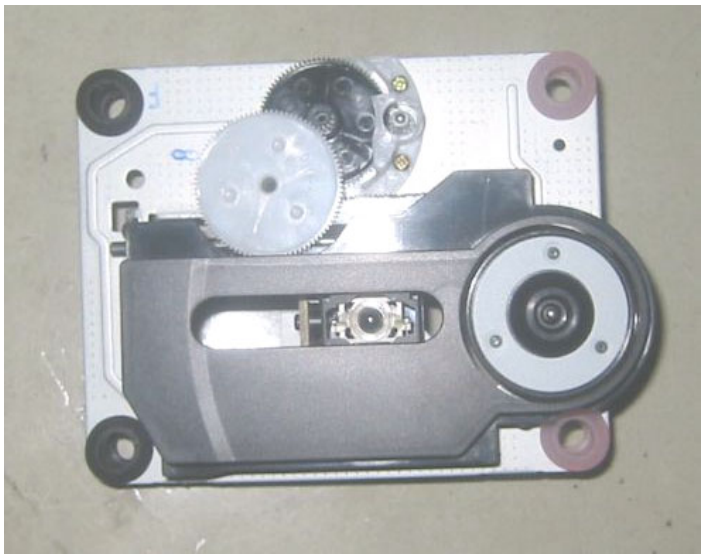
(7) CD Drive unit can be detached from the Main body by fulfilling above steps.



(8) Set the section upside-down to remove 4 mounting screws.



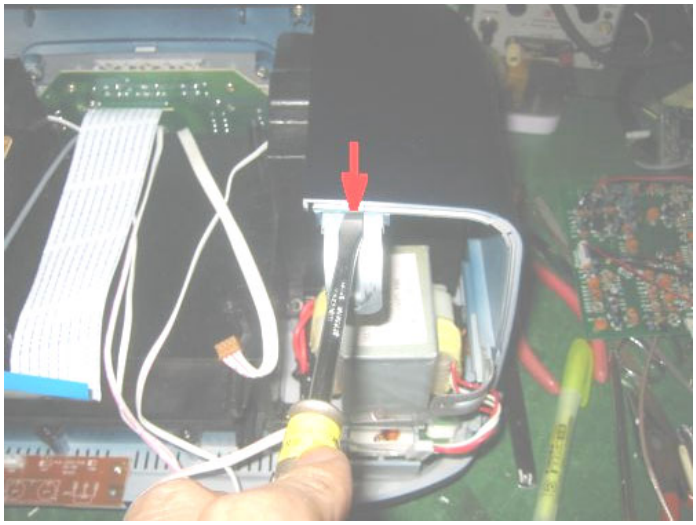
(9) The CD Drive unit = Traverse unit is now replaced with detaching the Cover.

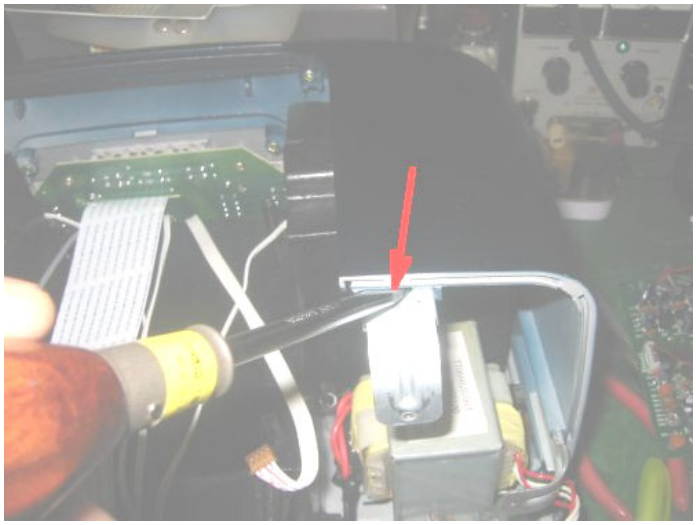


(10) The Power X'mer can be replaced after removal of CD Drive unit by the following steps.

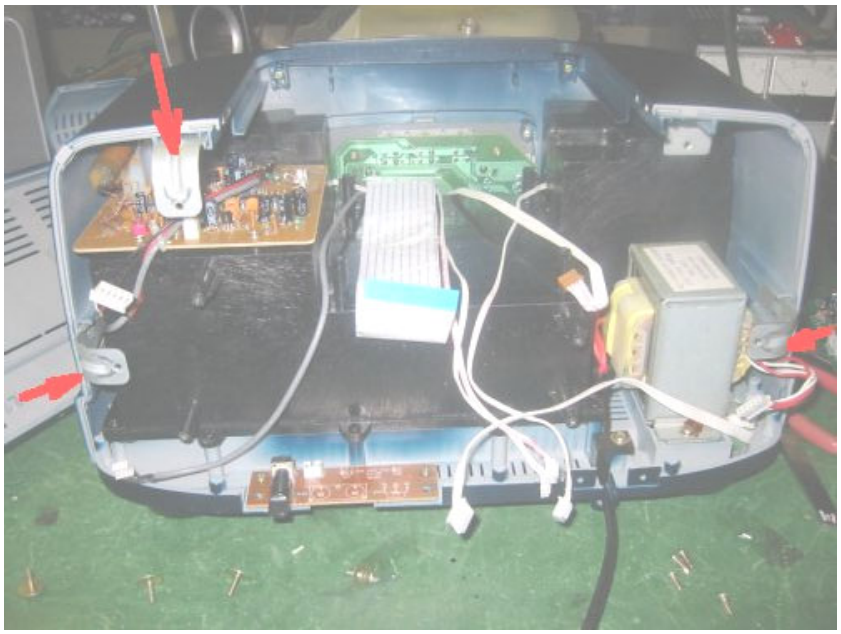
(11) 4 metal brackets have to be detached.

*Insert (-) driver to release a latch of the bracket inside and extract it.



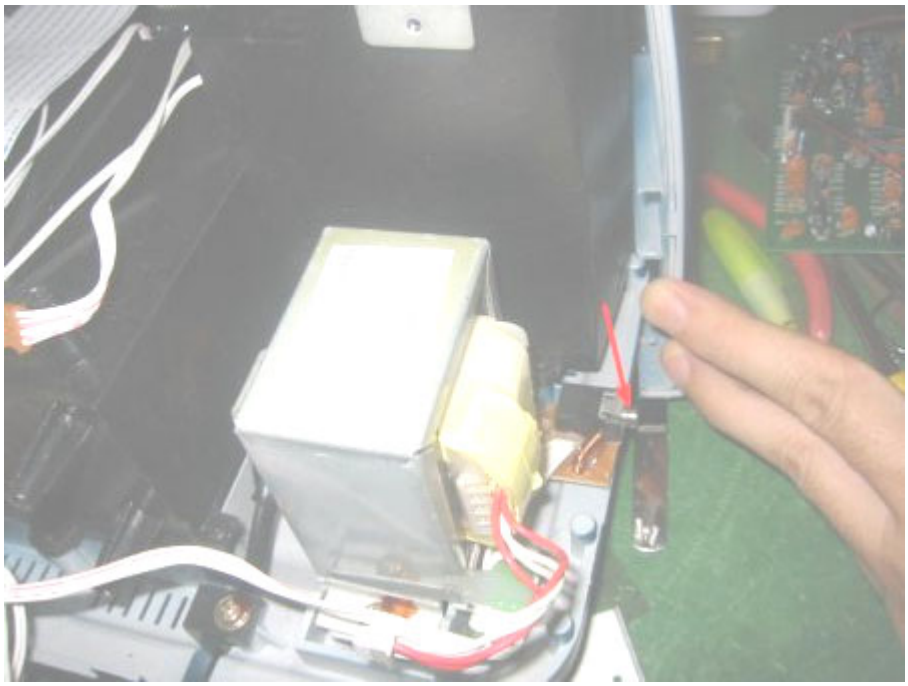


*Treat same manner to detach another 3 metal brackets.



(12) Extract the Front Case from the Main body to view the mounting screw of the Power X'mer.

* As there is a headphone unit at right-hand side, mind to reserve some space there.



(13) The Power X'mer is now replaced by removing 2 screws.